

Tuesday, 2 May 2023

(10.00 am)

HOUSEKEEPING

SIR WYN WILLIAMS: Mr Beer.

MR BEER: Sir, before we hear the evidence of Mrs Anne Chambers, I should inform you of a significant development in relation to the evidence of Gareth Jenkins, from whom we were due to hear evidence on Thursday and Friday of this week. As you know, the Inquiry served a written request pursuant to Rule 9 of the Inquiry Rules 2006 on Mr Jenkins seeking a witness statement from him in relation to the issues that arise in Phase 3 of this Inquiry on 31 August 2022.

That request contained 56 numbered questions, although many of the questions contained sub-questions, meaning that some 200 questions were in fact asked, set out over 17-odd pages. After resolution of the issue of whether you should write to the Attorney General to ask her to provide an undertaking that any evidence given by or produced to the Inquiry by a person would not be used against that person in criminal proceedings against them was

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their way through the evidence disclosed to Core Participants by the Inquiry and will continue to do so. I understand that, at the present time, they are unable to advise me fully on the privilege against self-incrimination, particularly in relation to Phase 4, because their review is ongoing and because the existing evidence disclosed in relation to Phase 4 is limited. I wish, therefore, to ensure that it is understood that I will continue to keep the question of whether I waive my rights under consideration.

"My lawyers have undertaken to the Inquiry to notify it in good time when they are in a position to advise me fully. I will continue to prepare for the Inquiry so as to ensure that when my lawyers are in a position to advise me, that is not a cause for delay."

On Friday of last week, the Inquiry received a letter from Mr Jenkins' solicitors stating that they and Mr Jenkins had continued to review the material disclosed by the Inquiry, that although disclosure was a rolling process, and disclosure in relation to Phase 4 in particular remained very much ongoing, they had a greater

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resolved, you determined that you would not presently seek such an undertaking but would keep the position under review.

Mr Jenkins provided a witness statement to the Inquiry on 6 February 2023. That witness statement was short, 15 pages in length, and addressed a small number of the questions that had been asked of Mr Jenkins. It did not address the issue of Mr Jenkins's knowledge of, and involvement in, the investigation of a series of bugs, errors and defects in the Horizon System. That issue was the principal issue raised by the Inquiry's written request.

In particular, it didn't address at all questions 16 to 49 in the Inquiry's written request, all of which went to the issue of knowledge of bugs, errors and defects.

In relation to the questions which were not addressed in the witness statement, Mr Jenkins said:

"I wish to maintain my reliance on the privilege against self-incrimination in relation to certain of these questions for the time being but I want to make clear my reasons for doing so. As matters stand, my lawyers are working

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understanding of the evidence that relates to Mr Jenkins in Phase 3 and that, having had the opportunity to consider the disclosure, Mr Jenkins wished to indicate his willingness to provide the Inquiry with a response to the request that was served on him on 31 August 2022 in a statement which addresses all of the questions asked in that request.

This is plainly an important development. In the light of it, you decided that Mr Jenkins should not give evidence on Thursday and Friday of this week for three main reasons: first, that it was in the interests of the Inquiry, of the Core Participants and of the public that the Inquiry should receive the widest range of evidence possible, in particular from a central figure such as Mr Jenkins. It was therefore important to obtain this written evidence from Mr Jenkins.

Secondly, it would have been unfair on Core Participants, and in particular the subpostmaster Core Participants, for Mr Jenkins to have entered the witness box on Thursday and Friday of this week without him having previously provided a written account of what he

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1 proposed to say about errors, bugs and defects
2 in the Horizon System.

3 It's important that all Core Participants
4 have the opportunity properly to prepare for
5 witnesses and giving evidence without previously
6 having made a statement on the issues of
7 substance would have undermined that
8 preparation.

9 Thirdly, if Mr Jenkins had been permitted to
10 give evidence without having made a statement it
11 would have involved treating Mr Jenkins
12 differently from other witnesses because it may
13 have allowed Mr Jenkins free rein in his oral
14 evidence to say what he wished without having
15 previously reduced his account to writing.

16 In the light of the time that it's needed to
17 produce that statement, disclose it to the
18 Inquiry, the Inquiry to assess whether it
19 properly engages with the questions that we've
20 asked and to disclose that statement in good
21 time before Mr Jenkins gives his oral evidence,
22 it will not be possible for him to give his
23 evidence in the Phase 3 oral evidence sessions
24 that remain in this part of the Inquiry, ie in
25 the next three weeks.

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1 Jason Beer and I ask questions on behalf of the
2 Inquiry. Can you give the Inquiry your full
3 name, please.

4 **A.** Anne Olivia Chambers.

5 **MR BEER:** Before I ask you any further questions,
6 the Chairman has a statement that he wishes to
7 make?

8 **SIR WYN WILLIAMS:** Mrs Chambers, you will have
9 already heard Mr Beer explain that Mr Gareth
10 Jenkins has, in the past at least, relied upon
11 what we call the principle of privilege against
12 self-incrimination.

13 Before we go any further, I should tell you
14 that a witness at a public inquiry has a right
15 to decline to answer questions if there is
16 a risk that the answer to the question would
17 incriminate the witness.

18 In short, that is the principle of privilege
19 against self-incrimination.

20 I remind you of that principle before you
21 give your evidence. I must tell you that it is
22 for you to make clear to me if you wish to rely
23 upon the privilege. If, therefore, questions
24 are put to you by Mr Beer or any other counsel
25 or by me, which you do not wish to answer on the

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1 We will instead interpose Mr Jenkins'
2 Phase 3 evidence at a convenient moment in
3 Phase 4 of the Inquiry but before the summer
4 break.

5 Fair notice of this evidence will be given
6 on the Inquiry's website in the usual way.
7 Mr Jenkins will, in any event, be required to
8 make a written statement about the issues which
9 arise in Phase 4 of the Inquiry, in particular
10 his role in criminal and civil proceedings taken
11 against subpostmasters, and return for a second
12 time to give oral evidence about such matters in
13 Phase 4 of the Inquiry, most likely after the
14 summer break.

15 It follows that the Inquiry will not be
16 sitting this Thursday and Friday, but the
17 remainder of Phase 3 will continue in accordance
18 with the timetable next week.

19 **SIR WYN WILLIAMS:** Mr Beer, thank you very much for
20 explaining to everyone the decision which I took
21 last Friday and the reasons for it.

22 **MR BEER:** Anne Chambers, please.

23 **ANNE OLIVIA CHAMBERS (affirmed)**

24 **Questioned by MR BEER**

25 **MR BEER:** Good morning, Ms Chambers, my name is

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1 grounds that to answer the question might
2 incriminate you, you must tell me immediately.

3 At that point, I will consider your
4 objection and determine whether or not to uphold
5 it. I understand that you are represented by
6 a barrister and solicitors today. No doubt if
7 the issue relating to self-incrimination arises,
8 they will assist you.

9 If, at any stage of the questioning, you
10 wish to speak to your lawyers about that
11 principle, you must tell me immediately, and
12 I will facilitate that.

13 Do you understand all that, Mrs Chambers?

14 **A.** Yes, I do.

15 **SIR WYN WILLIAMS:** Thank you very much.

16 **MR BEER:** Thank you very much, Mrs Chambers, for
17 coming to give evidence to the Inquiry today and
18 thank you for providing a long and detailed
19 witness statement to the Inquiry to assist us in
20 our work. We're very grateful to you.

21 You should have in front of you a hard copy
22 of that witness statement. It's in tab A1 of
23 that bundle. It's in your name and it's dated
24 15 November 2022. Do you have that witness
25 statement?

8

1 A. Yes, I have.

2 Q. If you turn to page 63, please, is that your
3 signature?

4 A. Yes, it is.

5 Q. Are the contents of that witness statement true
6 to the best of your knowledge and belief?

7 A. Yes.

8 Q. For the purposes of the transcript, the URN is
9 WITN01700100. There's no need to display that.
10 Mrs Chambers, I'm going to ask you some
11 questions today and tomorrow about the issues
12 that arise in Phase 3 of the Inquiry. We're
13 going to ask you to return at a later stage in
14 the Inquiry to answer questions that arise in
15 Phase 4 of the Inquiry, in particular about the
16 role that you undertook investigations of
17 subpostmasters and giving evidence in
18 proceedings brought against them and, in still
19 further particular, the evidence that you gave
20 in the Lee Castleton case. Do you understand?

21 A. Yes.

22 Q. All Core Participants should respect that divide
23 or division if and when they confirm to ask you
24 questions tomorrow and I and the Chair will be
25 keeping a watchful eye to ensure that that

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1 which I think shows that I've got a reasonable
2 sense of numeracy, and so on, which I think is
3 relevant.

4 Q. Probably more than that, a degree in statistics
5 with pure maths, I think --

6 A. Yes.

7 Q. -- obtained from the University College of Wales
8 in 1978; is that right?

9 A. That's correct.

10 Q. Your first employment, I think after graduation,
11 was with a company called Dataskil; is that
12 right?

13 A. Yes, it was part of ICL. It was ICL's software
14 house.

15 Q. Before you joined Dataskil, did you have any
16 formal qualifications in computing?

17 A. No, I'd done a couple of computing modules as
18 part of my degree but I hadn't done a great deal
19 of computing. Like most people at that time,
20 I learnt on the job.

21 Q. You say in your statement that at Dataskil you
22 coded and supported various software packages;
23 is that right?

24 A. That's correct, yes.

25 Q. Was that software concerning databases and

11

1 process is respected.

2 A. Yeah.

3 Q. I should make it clear that I know that you have
4 spent many hours preparing to give evidence
5 today and have been diligently looking at some
6 of the material that the Inquiry has sent you.
7 You were, I think, provided with a considerable
8 volume of material at the time you were asked to
9 prepare a witness statement on 6 October 2022.
10 You've been provided with much more material
11 since then, including in the last two weeks, and
12 I think we're dealing with such a large volume
13 of material that you couldn't have hoped to have
14 read all of it and digested it; is that right?

15 A. That's right, yes.

16 Q. If at any stage I show you a document with which
17 you're not familiar that hasn't been part of
18 your preparation, then just say so.

19 A. Yes.

20 Q. Can I start, please, with your career,
21 qualifications and experience. Do you have any
22 professional qualifications that are relevant to
23 the issues that we're going to discuss in your
24 evidence?

25 A. I have a degree in statistics and mathematics,

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1 statistical processes?

2 A. Yes, it was.

3 Q. To what extent is that the same or different
4 from what you went on to do at ICL and then
5 Fujitsu?

6 A. Um, it was quite similar in a lot of ways.
7 I mean, I didn't actually leave Dataskil, as
8 such, it just merged into -- it was just
9 subsumed into ICL. So I then carried on working
10 on the same type of things. As the years went
11 by, I did less coding, and so on, and I found
12 I enjoyed the support work.

13 Q. You tell us in your statement that from 1986 you
14 worked from home and were working part time as
15 a software diagnostician; is that right?

16 A. Yes, that's right. I had first one and then two
17 children and there was a group of people within
18 ICL who were all home based, our management were
19 mostly home based, as well, and, with what now
20 seems like very prehistoric comms and equipment,
21 we could actually do our job remarkably well.

22 Q. What does a software diagnostician do?

23 A. Some -- a user of a piece of software that you
24 are supporting somewhere in the world discovers
25 there is a problem with it, at the time they

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1 would sort of fill in a paper form saying what
 2 the problem was that they'd encountered, and
 3 then it was up to me to look at evidence
 4 provided. Sometimes it was great heaps of dumps
 5 that you had to sort of work out how to read
 6 your way through, to try to work out what had
 7 gone wrong, identify the problem and, at that
 8 time, work out how to fix it, usually by
 9 applying something that was called a patch,
 10 rather than actually changing the code.

11 **Q.** Just stop there. There's a noise that I don't
 12 know whether other people can hear. It seems to
 13 be coming through the air-conditioning vents.
 14 Is it me or --

15 **SIR WYN WILLIAMS:** No, it's not you, Mr Beer. It's
 16 certainly very noticeable where I'm sitting and,
 17 for a moment, I thought we were outside in
 18 a storm.

19 If this is troublesome for you giving
 20 evidence, Mrs Chambers, we'll try and do
 21 something about it. Is it bothering you?

22 **A.** I think I can ignore it, as long as it doesn't
 23 get too much louder.

24 **SIR WYN WILLIAMS:** Well, the usher is going to try
 25 to make some investigations but we'll carry on

13

1 **A.** That's right, yes. I had been doing -- it was
 2 usually called fourth line support, so people
 3 would have already checked for published known
 4 errors, and things like that, although sometimes
 5 things got through.

6 Once I moved on to the Post Office work,
 7 I was third line support, where we were doing
 8 a great deal of the investigation but we would
 9 not actually be fixing the problem ourselves,
 10 and not necessarily finding the root cause of
 11 the problem ourselves.

12 **Q.** Can I look at this early stage, before October
 13 2000, and your early involvement in Horizon.
 14 You tell us in your witness statement,
 15 paragraph 3 -- no need to turn it up -- that
 16 from 1997 you did some coding and support in
 17 respect of part of the new Pathway system for
 18 the Post Office; is that right?

19 **A.** Yes, that's right.

20 **Q.** The purpose of the questions I'm about to ask
 21 you is to establish what you did learn if you
 22 did learn things as a result of your early
 23 involvement in the development of what became
 24 Horizon; do you understand?

25 **A.** Yes.

15

1 for the moment and see where we go.

2 **MR BEER:** Yes.

3 In the answer that you just gave, you said
 4 that someone somewhere around the world had
 5 found a problem with the system. Would
 6 a software diagnostician always be responsive to
 7 somebody else finding a problem or would they,
 8 in some cases, proactively look for code faults,
 9 errors or bugs in the software?

10 **A.** In these particular instances that I was
 11 supporting at that time, it was dependent on
 12 somebody reporting the problem to us.

13 **Q.** So it was always reactive?

14 **A.** Yeah, it was very reactive.

15 **Q.** So you would investigate error reports --

16 **A.** Yes.

17 **Q.** -- is that a good way of describing them --
 18 filed by users?

19 **A.** Yes.

20 **Q.** Would a fair way of describing what you did was
 21 produce code fixes?

22 **A.** Yes, produce patches to the code, yeah.

23 **Q.** That changed when you went on later to work for
 24 the SSC. You did the former but didn't produce
 25 code fixes; is that right?

14

1 **Q.** In which team were you working from 1997 onwards
 2 until October 2000?

3 **A.** I was still working for my offsite team.
 4 I think we were called ICL Systems at that
 5 point. I was still doing -- supporting other
 6 systems as well as working on the -- on this
 7 particular niche area of Post Office.

8 **Q.** Who was your manager or supervisor at that time?

9 **A.** I think my manager was Sheila Powell. But
 10 again, as I say, she wasn't Post Office. She
 11 wasn't part of the ICL Pathway team. This was
 12 still part of this separate structure.

13 **Q.** Were you still home based at this time --

14 **A.** Yes, I was --

15 **Q.** -- or had you gone back into the office?

16 **A.** -- I was still home based.

17 **Q.** Did you ever go into the office in this period,
 18 1997 until October 2000?

19 **A.** Um, as regarding the Pathway work in that
 20 period, I remember going to Feltham, I think,
 21 once and I remember giving a couple of training
 22 sessions in different locations.

23 **Q.** Concerning the Post Office Benefits Agency
 24 project?

25 **A.** Yes. Can I just explain this area that I was

16

1 working on. It was the transfer of files out of
2 the Benefits Agency. There was some
3 transformation done, so that they could then be
4 fed into the back end of the Pathway system.

5 **Q.** I was going to ask you about that because your
6 witness statement suggests you were involved in
7 the Benefits Agency side of the coding?

8 **A.** Yes. Well, it was a funny sort of lump in the
9 middle but the Benefits Agency side of it used
10 VME which was ICL's proprietary operating
11 system, or one of them, and that was what I was
12 particularly an expert in if you like.

13 **Q.** Was it restricted to that?

14 **A.** And that was -- my only involvement was the
15 transformation that was done on the data in
16 these files and the transfer into the back end
17 of the Post Office system. But I didn't know
18 any more about what happened to those files and
19 I knew nothing about the counter end of the Post
20 Office system at that time.

21 **Q.** How long did this work on the Pathway system, by
22 you, last?

23 **A.** I still had some involvement by the time
24 I joined the SSC because, by that time, there
25 was only about one file left that was being

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1 good. But, no, I had no direct knowledge of
2 that.

3 **Q.** What was your understanding of the reasons that
4 the majority of it, the project, was canned?

5 **A.** Just that the different bodies involved couldn't
6 work out properly how they wanted it all to work
7 together. I don't know. I wasn't involved in
8 any of the political side of it, if you like.

9 I was -- have always been very much technical
10 and not involved in the more political and
11 perhaps commercial aspects.

12 **Q.** But you picked up that it was a problem with the
13 parties working together that was the problem;
14 is that right?

15 **A.** I think that was the impression I got at the
16 time.

17 **Q.** Did you pick up anything else, that it was
18 a problem with the system or the quality of the
19 Horizon System?

20 **A.** No, because I don't think -- I mean, I don't
21 think I knew particularly what happened to the
22 data that was in the files that we were passing
23 on. So ...

24 **Q.** That's one way that you may have learned,
25 ie feedback on the issues upon which you were

19

1 processed. I think it was to do with Child
2 Benefit -- I think that's right -- and I was
3 still providing some level of support, for that.

4 **Q.** So from '97 until October 2000, all be it doing
5 other jobs for ICL --

6 **A.** Yeah.

7 **Q.** -- involved in the Pathway system in the way
8 that you explained?

9 **A.** I had some involvement yes. Certainly by '99
10 there wasn't -- it was just sort of support of
11 this one file that was being transferred. So
12 I was doing quite a few other things then, as
13 well.

14 **Q.** The Inquiry has heard evidence that there were
15 systemic design problems with the development of
16 Horizon from the outset, including in respect of
17 the integration of Pathway and benefits and Post
18 Office systems, and has heard evidence of
19 problems with the requirement specifications for
20 the project. In general terms, in that
21 three-year period, were you aware of such
22 problems at the time?

23 **A.** Only in as much as the vast majority of it was
24 canned and the relationship obviously was --
25 would appear then not to have been particularly

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1 working but I'm talking about talking to your
2 colleagues, receiving emails, attending
3 meetings --

4 **A.** I don't recall any of that.

5 **Q.** So was the extent of your knowledge that the
6 majority of the project was canned, that it was
7 to do with a relationship problem rather than
8 technical issues with Horizon itself?

9 **A.** I think that was the impression I got at the
10 time, yes.

11 **Q.** Can we look, please, at POL00091901. That
12 should come up on the screen for you. You
13 should see that this is an "Operational Review
14 of the CAPS", "CAPS" meaning Customer Accounting
15 and Payment System, yes?

16 **A.** I can't remember if that's what it stood for,
17 but, yes, it could well have done.

18 **Q.** Take it from me. I mean, if you want to look
19 ahead to page 9 of the document and at the foot
20 of the page. "CAPS" in this sense, Customer
21 Accounting and Payment System; can you see that?

22 **A.** Yes, I can see that.

23 **Q.** If we can just go back to page 1, please. So
24 "Operational Review of the CAPS/Pathway
25 Interface".

20

1 A. Yeah.

2 Q. It's dated 26 February 1998.

3 A. Yeah.

4 Q. If you look at the distribution list, I think

5 you're on it.

6 A. Yes.

7 Q. The "O" being Olivia?

8 A. Yeah.

9 Q. We can see that on the right-hand side, second

10 entry.

11 Can we go, please, to page 61 of the

12 document and look at paragraph 6.3.8.2, the

13 second paragraph down. The document reads:

14 "Anne Chambers (ICL Systems) has expressed

15 doubt that NEXT-ACTION-TIME can actually be

16 explained convincingly as it is and that CAPS

17 and Pathway should get together to produce

18 a proper definition of the requirement.

19 A definitive specification would provide a basis

20 for reviewing the current implementation as well

21 as a document that would be useful in supporting

22 the Live Service."

23 So you're reported in this document as

24 saying that CAPS and Pathway -- is that

25 essentially the Benefits Agency part of the

21

1 customer's requirement, yes?

2 A. Yeah.

3 Q. Can you recall whether that was, in this sort of

4 three-year period, something that happened often

5 or a recurring issue?

6 A. I don't remember that, no. I think -- I mean,

7 it would only be at the point that these files

8 actually started being -- using the code that

9 had been produced and once they're actually

10 being processed, um, that then you'd have some

11 debate about whether these things were actually

12 as both parties had understood.

13 Q. Can we go forward to page 75, please, and look

14 at, under the heading "Question 3: Adequate

15 Resilience", 7.1, "Statement of the Question",

16 the question is:

17 "Is the operation of the interface

18 adequately resilient in terms of its ability to

19 recover from failure states?"

20 Then if we go down to 7.3.1.1, "Description

21 of the Issue":

22 "In order to pass a file to CAS(VME), the

23 CAPS software writes the file to a CAPS Out Tray

24 and passes a File Notification ... to CAS(VME)

25 via XPERT. Certain problems in the use of XPERT

23

1 programme and ICL -- should get together?

2 A. Yes, I mean, we've got a file or files that are

3 being transformed and passed over and it's

4 obviously important that both sides agree

5 exactly the definition of the data that one is

6 sending and one is receiving.

7 Q. So would this be an example of there being some

8 doubt or ambiguity, whoever's fault it was?

9 A. Yes, it didn't seem as if this had been properly

10 defined because -- I can't remember, I think by

11 the time I got involved the code had already

12 been written, but I think this was a particular

13 field that we were having some problem making

14 sense of exactly what it was meant to contain,

15 and the assumption had been made that it should

16 be like that but it wasn't clear that that was

17 correct.

18 Q. Presumably you've got no memory of this now?

19 A. No --

20 Q. No.

21 A. -- very, very vague memories and I certainly

22 couldn't tell you how it was and how I thought

23 it should be or anything like that.

24 Q. No, but the issue of there not being a proper

25 definition of the requirement, that's the

22

1 have resulted in ..."

2 Then there's a description:

3 "When resolving such problems, it has proven

4 very useful to be able to pass a File

5 Notification to CAS(VME) manually. This has

6 been done by using CAS_MEND, which was provided

7 informally by Anne Chambers (ICL Systems),

8 a member of the CAS(VME) development team. It

9 is anticipated that similar problems will be

10 encountered in the future and that the same SCL

11 procedure or something very like it would prove

12 equally useful."

13 There is no need for us to explore the

14 technical details of what is being spoken about

15 there but is what is being described the fact

16 that you had yourself developed and provided

17 a workaround utility?

18 A. Yes, I think it was possibly something that we'd

19 had done for our own testing. Obviously, when

20 you're testing things you have to pretend that

21 things are happening, to some extent, and it

22 turned out that, you know, there was some sort

23 of a requirement for this. That first paragraph

24 is all stuff that was very much in the Benefits

25 Agency camp.

24

1 Q. Yes. If we can go over the page, please -- to
 2 77, sorry -- the report continues:
 3 "However, it was pointed out that the
 4 condition that gave rise to actions, in which
 5 this utility was used, was an error condition
 6 and not normal processing. Such an error
 7 condition should be investigated and understood,
 8 the current situation recovered, and the root
 9 cause eliminated to *prevent repetition*.
 10 Therefore, occasion for the use of the utility
 11 should be very rare indeed.

12 "It was further pointed out that the use of
 13 the utility affects audit data for CAS(VME).
 14 The CAS ICL is updated with information from
 15 a File Notification specially created on the CAS
 16 side of the interface. That information is
 17 passed forward to the ICMF. It was queried
 18 whether, in principle, a utility of this nature
 19 should be provided by Pathway as a standard
 20 component of the CAS(VME) product, since it
 21 compromises the integrity of the audit trail and
 22 its use could provide an embarrassment to
 23 Pathway in any contractual dispute.

24 "A compromise position was formulated. It
 25 was recognised, by Pathway and CAPS, that the

25

1 an entry in a table to say "Look, here's
 2 a file", to get over this error condition but
 3 that shouldn't have ever been a long-term fix to
 4 the problem.

5 But sometimes if you had to choose between
 6 doing something like that that would then have
 7 to be documented as an unscheduled sort of
 8 a change, if you could either do that or a whole
 9 day's benefit -- Child Benefit payments couldn't
 10 go through, then that's something that has to be
 11 weighed up against each other.

12 Q. Why would it compromise the integrity of the
 13 audit trail?

14 A. Well, that's what it's suggesting here, isn't
 15 it?

16 Q. Yes, but why would it compromise the integrity
 17 of the audit trail?

18 A. I cannot now remember enough about the details
 19 to say.

20 Q. Would the integrity of the audit trail be
 21 an important principle to maintain?

22 A. Yes, it always is.

23 Q. Why is that?

24 A. Because then if there are questions afterwards
 25 about something, you need to be certain that you

27

1 interface is not yet fully stable and that
 2 problems of the kind described may be
 3 encountered in the future. Such problems
 4 require that there should be a means of
 5 recovery."

6 Is what we're seeing described here evidence
 7 that fixes designed to address errors could
 8 themselves impact -- I'll just stop and start
 9 the question again.

10 Is what we see here evidence that fixes
 11 designed to address errors could themselves
 12 impact on audit trails for the systems being
 13 developed?

14 A. In theory, yes, they could and you wouldn't be
 15 using something like this unless you absolutely
 16 had to. It shouldn't be a standard way of doing
 17 things if it then couldn't be audited or
 18 whatever.

19 Q. Why was that? Because this was sort of
 20 an *ad hoc* fix developed by you?

21 A. It was -- it wasn't developed as a fix. It was
 22 something that existed that we could use, and
 23 I think it was initially for -- possibly for
 24 testing. I don't think it was called CAS_MEND
 25 originally but it was something so we could put

26

1 have got a proper record of what was done.

2 Q. You will see that it mentions the report -- the
 3 fix compromising:

4 "... the integrity of the audit trail and
 5 its use could prove an embarrassment to Pathway
 6 in any contractual dispute."

7 Can you assist as to why the use of what
 8 I've described as the fix could prove
 9 an embarrassment to Pathway in a contractual
 10 dispute.

11 A. I cannot remember enough about all of this to be
 12 certain but there was obviously record kept of
 13 the files that had been received and the sizes
 14 and the dates and all that sort stuff, which
 15 would have been, I presume, part of the audit
 16 trail, and I can't be certain now but from what
 17 this is saying, it suggests that however we were
 18 notifying the system that there wasn't another
 19 new file had come in, but the notification
 20 wasn't arriving in the normal way. That can't
 21 have been recorded in the normal way, I presume.

22 Q. Can you help us more broadly -- that document
 23 can come down, thank you. Did you hear any word
 24 amongst your colleagues or chatter or similar,
 25 about how the Pathway Project had gone for

28

1 Fujitsu by the time you joined the SSC in
2 October 2000?

3 **A.** Um ...

4 **Q.** What was the word on the street?

5 **A.** I knew that at that point the rollout was going
6 ahead. I think when I started there were about
7 25 per cent of Post Office branches had got the
8 new Horizon System and so, obviously, it was
9 ramping up very rapidly and I certainly --
10 I can't remember. I don't recall anybody saying
11 it was so dreadful enough to make me feel I did
12 not want to be a part of it.

13 **Q.** What about something less than that? Were you
14 told, for example, when you were joining the SSC
15 or beforehand, that a range of problems and
16 issues had been encountered in the design, build
17 and rollout of Horizon?

18 **A.** No. I mean, you would expect there to be
19 a certain level of problems and they obviously
20 needed more people in SSC. There was quite
21 a lot of recruitment going on which, by the
22 nature -- you know, that is group of people who
23 are providing support. So there was obviously
24 a need to have that group and to build it up.
25 But I didn't feel -- I wasn't aware of anything,

29

1 these problems so you do anticipate that, yes,
2 there will be things to get your teeth into, if
3 you like.

4 **Q.** But were you approaching this that this was just
5 another project in a line and that there was
6 nothing -- you weren't walking into a project
7 that had had a particularly problematic birth?

8 **A.** No, that was not how I saw it. I was -- for me,
9 personally, I was ready for a change and it was
10 quite a big change because, at that point,
11 I went back on site, I hadn't actually had to
12 work with other people very much for 15 years,
13 and I was moving from being very technical,
14 doing a fourth line support job, to being less
15 technical. I was also moving away from
16 supporting things on VME, which was my main
17 technical speciality, to something that was
18 using -- well, it wasn't VME-based at all, apart
19 from this one file that was left.

20 **Q.** So you joined the SSC. What did you understand
21 SSC to stand for?

22 **A.** Err --

23 **Q.** We've had three variants of it.

24 **A.** Yeah, System Support Centre.

25 **Q.** Thank you. You joined in October 2000?

31

1 you know, "Oh, this is so bad we've got to have
2 so many extra people on it". It was, you know,
3 "This is an exciting new project, it's at last,
4 after many years of preparation, it's up and
5 running, great, let's keep it going and make
6 sure it's all working well and doing its job".

7 **Q.** Were you told that the Benefits Agency had
8 pulled out because of concerns over the
9 integrity of the data that Horizon produced?

10 **A.** No.

11 **Q.** When you joined the SSC, did you therefore think
12 you were to be providing support for a good and
13 properly functioning system?

14 **A.** I anticipated that it would have problems,
15 otherwise there would have been no job for me to
16 do there.

17 **Q.** Yes, that doesn't really answer the question,
18 Mrs Chambers.

19 **A.** No, I don't think anybody in -- who's doing
20 computer support work ever sort of -- you know,
21 the whole purpose of our existence was to get on
22 top of any problems that there were, and this is
23 probably going to come out wrong but, in some
24 ways, the whole -- not exactly enjoyment of the
25 job but what you're there for is to sort out

30

1 **A.** Yes.

2 **Q.** You stayed there for the rest of your career
3 with Fujitsu?

4 **A.** Yes.

5 **Q.** What was your job title when you first joined
6 the SSC in October 2000?

7 **A.** I think it was system specialist but I cannot be
8 entirely sure. Job titles did change here and
9 there. They didn't necessarily -- they were
10 usually sort of fairly vague but I think I was
11 a systems specialist.

12 **Q.** Were you now working full time when you --

13 **A.** Yes --

14 **Q.** -- moved to the SSC?

15 **A.** -- I had been -- I think I'd been working
16 30 hours plus quite a lot extra from home and so
17 now I was officially 37 hours a week.

18 **Q.** Did you now work in the office?

19 **A.** Yes, I did.

20 **Q.** Was that in Bracknell?

21 **A.** Yes, it was.

22 **Q.** When you joined the SSC who was your manager or
23 supervisor?

24 **A.** Mik Peach.

25 **Q.** But he didn't remain your manager for the

32

1 entirety of the 16 years that you worked in the
 2 SSC; that's right, isn't it?
 3 **A.** That's right, yes.
 4 **Q.** But when he worked there, to whom did he report?
 5 **A.** I can't remember. It was different people at
 6 different times.
 7 **Q.** Did you report to a director?
 8 **A.** I don't -- oh. I don't think so, no. I think
 9 there was several layers but I -- again, I -- my
 10 interests were technical and not particularly in
 11 the structure of the organisation.
 12 **Q.** Did you ever report to the person above Mik
 13 Peach or did you always report into Mik Peach?
 14 **A.** I always reported into Mik or his successors.
 15 **Q.** After Mik Peach left, you say in your statement
 16 in about 2010 -- just for the transcript,
 17 Mr Peach says it was in September 2009 -- you
 18 say that he was replaced by Tony Little for
 19 a few months?
 20 **A.** That's the name I think I remember.
 21 **Q.** And then by Steve Parker?
 22 **A.** Yes.
 23 **Q.** Did Steve Parker remain your manager until you
 24 left in 2016?
 25 **A.** Yes, he did, although we had team leaders as

33

1 a moment, you specialised?
 2 **A.** Yes.
 3 **Q.** So to going back to the beginning then in
 4 October 2000, there was essentially a flat
 5 structure with one manager, Mik Peach?
 6 **A.** Yes.
 7 **Q.** How many people worked in the SSC at that time
 8 when you joined?
 9 **A.** I think it was around 25 but I can't be certain
 10 of that.
 11 **Q.** Were they all what I'm going to call
 12 diagnosticians?
 13 **A.** Yes, I think that's true to say.
 14 **Q.** There was an administrator as well on top; is
 15 that right?
 16 **A.** Yes, there was an administrator and then, at one
 17 point, an administrator's assistant as well, and
 18 then no administrator.
 19 **Q.** What was the function of the administrator?
 20 **A.** Um, order the stationery; answer the door,
 21 because it was a secure unit so people had to be
 22 let in; answer the phone; and monitor the stack
 23 of service tickets, peak calls coming in and
 24 allocating them to members of the team.
 25 **Q.** So they had a role in allocation of the PinICLs

35

1 well, so we did have an extra layer.
 2 **Q.** Those team leaders, were they introduced by
 3 Mr Parker?
 4 **A.** Yes, from the existing team.
 5 **Q.** Were there four teams?
 6 **A.** I think there were four. I can't be quite
 7 certain.
 8 **Q.** Can you remember what the division within the
 9 teams was -- between the teams?
 10 **A.** They were just sort of purely for
 11 administration, it wasn't for -- it wasn't sort
 12 of one team supporting one particular area or
 13 anything like that.
 14 **Q.** So there wasn't specialism --
 15 **A.** No.
 16 **Q.** -- team A, specialism team B?
 17 **A.** No. Except possibly -- at some point, the
 18 Reference Data Team sort of merged into SSC, and
 19 I can't remember now if they stayed as more or
 20 less a separate team or if they ended up
 21 reporting to different team leaders.
 22 **Q.** So there was sort of a mixed economy of skills
 23 within your team --
 24 **A.** Yes.
 25 **Q.** -- even though, as we're going to discover in

34

1 and then the PEAKs?
 2 **A.** They allocated them, yes, and also she'd look at
 3 any KELs that had been mentioned to see if it
 4 looked at a fairly superficial level, if it
 5 looked as if it was the right one. If there was
 6 absolutely no information on the call giving any
 7 clue as to what the problem really was, then she
 8 might return the call to second line and ask
 9 them to get some more information.
 10 **Q.** Was that person the same throughout this period?
 11 Was it Barbara Longley?
 12 **A.** It was Barbara Longley until she retired and
 13 I cannot quite recall when that was. I think it
 14 must have been before 2008, I think, or 2009.
 15 **Q.** How did she determine to whom to allocate
 16 a PinICL or PEAK?
 17 **A.** Um, partly what sort of area it was, um,
 18 somebody who hadn't got any calls on their stack
 19 already, obviously --
 20 **Q.** So workload?
 21 **A.** -- it would be a -- workload, interest.
 22 Sometimes somebody -- because we could all see
 23 this stack of calls -- sometimes somebody would
 24 say, "Oh, I'd like that one", or, you know,
 25 somebody might point out to her that it was

36

1 relevant to something else that had already come
 2 in.
 3 **Q.** Were there specialisms within the 25 of you?
 4 **A.** Yes. We all -- everybody seemed to gravitate to
 5 different areas.
 6 **Q.** Was that it, the force of gravity, ie personal
 7 interest, or was it anything more formal than
 8 that?
 9 **A.** Um, it was partly what people's backgrounds were
 10 when they came in. Um, if Mik felt there was
 11 a bit of a gap somewhere and not enough people
 12 specialising in one particular area he'd
 13 obviously get somebody in and say "Right, you
 14 know, you're doing this".
 15 **Q.** It's right, though, that you were each expected
 16 to handle any type of --
 17 **A.** Yeah.
 18 **Q.** -- ticket, if necessary?
 19 **A.** Yes, we were.
 20 **Q.** I think the number of 25 decreased over time; is
 21 that right? You tell us in your statement that,
 22 by the time you left in 2016, the number had
 23 decreased to between 12 and 15 people?
 24 **A.** I think so. It's really hard to remember
 25 definite numbers, especially because, towards

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1 the -- you know, playing around with numbers and
 2 checking that things added up.
 3 **Q.** You say that there were five or six of you, when
 4 there were 25, that would be most likely to
 5 handle tickets that concerned counter balancing;
 6 is that right?
 7 **A.** Probably, yes. I mean, more of us would have --
 8 there was certainly a lot of other people who
 9 might occasionally have picked up a call of that
 10 type but probably the more complicated problems
 11 would come down to, you know, five or -- four,
 12 five or six of us.
 13 **Q.** Can you remember who they were?
 14 **A.** Um, yes. I mean, Diane Rowe early on; Dave
 15 Seddon and Lina Kiang, who were both there for
 16 longer than I was; Sudip Sur who started at
 17 about the same time as me; Cheryl Card, who
 18 started later; and then people like John
 19 Simpkins and Mark Wright, who knew a great deal
 20 about everything, wouldn't maybe be doing those
 21 sort of calls so often but they had a very good
 22 knowledge of the entire system, and I apologise
 23 to anybody I've left out of this.
 24 **Q.** Did your role in counter balancing mean that you
 25 became a specialist in the operation of Riposte

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1 the end of that time, partly we were taking on
 2 some extra bits of workload, non-Pathway stuff,
 3 some other teams that had been elsewhere in
 4 Pathway were now either part of SSC or at least
 5 sharing the same floor space as us. So it's
 6 a little difficult to remember who was where and
 7 which team.

8 I'd also say that I think the numbers
 9 reduced a bit before HNG-X and then I think we
 10 got more people on board then when the new
 11 system was rolled out everywhere in 2010.

12 **Q.** So decreased before Horizon Online?

13 **A.** I think it had dropped a little bit naturally,
 14 just by people leaving and not so many new
 15 people coming in.

16 **Q.** You tell us in your statement that you were most
 17 likely to deal with tickets that concerned
 18 counter balancing?

19 **A.** Yes.

20 **Q.** How did that come about?

21 **A.** Er, I think largely because I was sitting next
 22 to somebody who was an expert in that area and,
 23 although she hadn't been my sort of official
 24 mentor when I started, I picked up on a lot of
 25 the stuff that she was doing and also, I liked

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1 and the EPOSS system?

2 **A.** Well, we all needed to know a lot about Riposte
 3 anyway because it was at the heart of the entire
 4 system but yes, the EPOSS system, I would really
 5 perhaps -- where I've talked about counter
 6 balancing, I mean, a lot of the problems were
 7 more general EPOSS, counter front end part of
 8 the system.

9 **Q.** You've told us that this specialism developed
 10 because of the person that you were sitting next
 11 to.

12 **A.** Mm-hm.

13 **Q.** Can I just explore with you what, if any,
 14 training you had on and about the Horizon System
 15 before you became responsible for investigating
 16 problems and issues with it and the integrity of
 17 the data that it produced. You tell us in your
 18 witness statement that, in 2000, you and some
 19 other new joiners attended the same counter
 20 training that was providing for subpostmasters;
 21 is that right?

22 **A.** Yes, that's right.

23 **Q.** How long did that counter training last?

24 **A.** Um, I think it was probably a week session and
 25 it was a course run especially for us just in

40

1 a room on our secure floor.

2 **Q.** Was the training, to your knowledge, in any way

3 changed because you were the system

4 diagnosticians or were you treated as if you

5 were subpostmasters?

6 **A.** I think we were treated as subpostmasters

7 because it's useful to see it, you know, from

8 the end user's point of view. Although,

9 obviously, we didn't have the business knowledge

10 that any postmaster who'd been running his

11 branch using the paper systems for years, they

12 would come in with that sort of knowledge.

13 **Q.** In the course of that training, were you told

14 about concerns, issues or defects in the Horizon

15 System?

16 **A.** I don't recall being told of any during that

17 training.

18 **Q.** Now, the counter software used for balancing was

19 maintained by the EPOSS system within

20 development, the fourth line support; is that

21 right?

22 **A.** Yes.

23 **Q.** Did you know at this time, on joining or shortly

24 there afterwards, any internal reputation within

25 Fujitsu of EPOSS during the development of

41

1 numbers of PinICLs raised since the 1998 Task

2 Force and the rate of their being raised.

3 "The EPOSS Solutions Report made specific

4 recommendations to consider the redesign and

5 rewrite of EPOSS, in part or in whole, to

6 address the then known shortcomings. In light

7 of the continued evidence of poor product

8 quality these recommendations should be

9 reconsidered."

10 Did you know, when you joined the SSC, that

11 an audit of the EPOSS had found it to be

12 unstable?

13 **A.** No.

14 **Q.** Did you know that a report had concluded that

15 EPOSS should be redesigned and rewritten?

16 **A.** No.

17 **Q.** Did you know that in May 2000, a few months

18 before you joined, that that recommendation had

19 been repeated?

20 **A.** No.

21 **Q.** Can we go to page 10 of the document, please,

22 and look at the response. It's in the bottom

23 right-hand corner. Thank you:

24 "Following response received from MJBC: 'As

25 discussed this should be closed. Effectively as

43

1 Horizon, that it had been rather problematic or

2 troublesome?

3 **A.** I don't recall that, no.

4 **Q.** So, again, you were thinking you were operating

5 a system that was well oiled and functioning but

6 may turn up problems because, otherwise, you

7 wouldn't have a job?

8 **A.** Yes. I think that's true.

9 **Q.** Can we look, please, at WITN04600104. This is

10 an ICL Pathway report dated 10 May 2000, you can

11 see that on the top right, so a few months

12 before you took up your post, yes?

13 **A.** Yes.

14 **Q.** It concerns the results of an audit. You'll see

15 that it's titled, both at the top and in its

16 first line, "Schedule of Corrective Actions,

17 CSR+ Development Audit". Now, if we scroll down

18 we can see that you're not on the distribution

19 list and I'm not suggesting that this was shown

20 to you in any way.

21 Can we go to page 9 of the document, please,

22 and can we look, please, at the first column in

23 the table:

24 "The audit identified that EPOSS continues

25 to be unstable. PinICL evidence illustrated the

42

1 a management team we have accepted the ongoing

2 cost of maintenance rather than the cost of

3 a rewrite. Rewrites of the product will only be

4 considered if we need to reopen the code to

5 introduce significant changes in functionality.

6 We will continue to monitor the code quality

7 (based on product defects) as we progress

8 through the final passes of testing and the

9 introduction of the modified C14 codeset into

10 live usage in the network. PJ can we make sure

11 this is specifically covered in our reviews of

12 the B&TC test cycles. Closed."

13 Did you know, when you joined, that the

14 quality of the EPOSS code, based on, as there

15 described, product defects, was supposed to

16 remain under review during the introduction of

17 the modified codeset into live usage in the

18 network?

19 **A.** No.

20 **Q.** You were part of the SSC in the months following

21 this report. To your knowledge, were people,

22 including you in the SSC, told of the need to

23 monitor the EPOSS code through product defects?

24 **A.** I don't recall being told that, and it's perhaps

25 something that I would have expected our manager

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1 to have been keeping an eye on, rather than --
 2 I mean, because he knew all the problems that
 3 were coming in, rather than of us -- certainly
 4 people who have only just started, who will just
 5 be looking at individual incidents as they
 6 happen.

7 **Q.** Is that in fact the case: that he would look at
 8 every ticket and see the outcome of it?

9 **A.** I cannot speak for him but I think it's -- he
 10 certainly had the ability to do that.

11 **Q.** The ability, yes, but, to your knowledge, in the
 12 16 years that you worked there, did the manager
 13 perform that kind of function? There's
 14 a recommendation here that this action be
 15 closed, that there be no rewrite, no redesign of
 16 EPOSS because there's going to be a monitoring
 17 process?

18 **A.** Yes, but I wouldn't expect something like that
 19 to be monitored by the people, if you like, at
 20 the very top of the heap. I would have expected
 21 somebody slightly higher up, for example the SSC
 22 manager. But I obviously cannot say "yes" or
 23 "no" he did this. I think, knowing Mik, it's
 24 quite likely that he did, but it might have been
 25 him, it might have been somebody else on --

45

1 **A.** No.

2 **Q.** -- "so that it can be fed back to somebody
 3 conducting an overarching review to carry this
 4 recommendation into effect"?

5 **A.** No, we were never told to do that.

6 **Q.** When you joined the SSC, what was the role of
 7 Gareth Jenkins?

8 **A.** I was aware that he was one of the technical
 9 experts. I think to start with, he was -- I'm
 10 not sure if he was based in Feltham then, where
 11 a lot of the development teams were, but I don't
 12 think I met him for -- until I'd been there for
 13 two or three or four years.

14 **Q.** So 2003, 2004?

15 **A.** Possibly. It might have been slightly sooner.
 16 I think I became aware of the name because you
 17 saw it on documents, and so on. But SSC were
 18 very much self-contained on our floor because it
 19 was a skill floor so you didn't have people
 20 coming and going, so we sort of, to quite
 21 a large extent, kept ourselves to ourselves.

22 **Q.** Did you understand him to be the principal
 23 Fujitsu expert on the counter application?

24 **A.** I probably picked that up fairly quickly, yes.
 25 I don't think anybody ever told me that.

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1 **Q.** If you didn't know about this, you wouldn't know
 2 to feed back "I'm noticing a preponderance of
 3 problems with the EPOSS system or the code in
 4 this part of the EPOSS system", would you?

5 **A.** No, I wouldn't but then, as I said, I would have
 6 expected that to have been monitored at slightly
 7 higher level.

8 **Q.** Would you expect the people at the lower level,
 9 as you called it, including yourself, to have
 10 contributed to that, ie a monthly review or
 11 a quarterly review or even a yearly review:
 12 let's look at how EPOSS is performing?

13 **A.** Um, I don't know. I mean, no, I still feel
 14 that's the sort of thing that, you know, where
 15 you've got a lot of people working not exactly
 16 individually, but when the information is all
 17 there on the PEAKs, and so on, I would have --
 18 I think it seems much more likely and sensible,
 19 in some ways, for it to be looked at by somebody
 20 who's got the technical knowledge but has -- you
 21 know, their job is to take the broader view --

22 **Q.** But there wasn't any formal instruction to you
 23 or informal instruction to you to say, "Chalk up
 24 when you're dealing with a ticket, a problem
 25 with EPOSS" --

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1 **Q.** Was there any process of induction to say, for
 2 example, "This is Mr Jenkins, he's the chief
 3 designer/architect of, I don't know, the changes
 4 to POL's back end systems, that meant he works
 5 a lot with the counter application and the EPOSS
 6 code"?

7 **A.** No, I --

8 **Q.** "If you have [X] problem, he's your point of
 9 contact"?

10 **A.** No, and he wouldn't, at that point, necessarily
 11 have been our next point of contact because we
 12 would probably have talked to the EPOSS
 13 developers about any problems in the first
 14 instance and then I'd have expected them to go
 15 and talk to Gareth if necessary.

16 **Q.** By the EPOSS developers, do you mean people
 17 in-house?

18 **A.** Yeah.

19 **Q.** Did you form any opinion of the quality of the
 20 EPOSS developers?

21 **A.** Um, I'm trying to think who was there. Yes,
 22 I didn't work closely with them. As I said, to
 23 start with, they were in Feltham anyway.
 24 I think there's always a slight tension between
 25 support and developers, who are also doing

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1 support, because they are often actually
 2 developing enhancements to the system, and so
 3 on. And so sometimes, perhaps you've felt you
 4 wanted them to focus a little bit more on the
 5 support of an existing problem but they were
 6 heads down working on something new.

7 **Q.** In the months after you joined, did you form
 8 a view on the quality of the product, the EPOSS,
 9 that they were working with?

10 **A.** Um, I don't think I thought of it in those terms
 11 at that point. You know, this was what we were
 12 looking after. We dealt with whatever came up
 13 and, where necessary, we passed things on to
 14 EPOSS. I can't remember in those very early
 15 days -- when things were still potentially
 16 settling down after the rollout, the only thing
 17 that I can remember is that there were -- I can
 18 remember one call in particular to do with
 19 a cash account production, where it was very
 20 difficult to get to the bottom of the problem
 21 and to work out what the numbers on the cash
 22 account should actually have been, and so on,
 23 and I think there was someone called Steve
 24 Warwick, who I think was involved in trying to
 25 help out with that.

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1 going to -- if there are problems, you are going
 2 to be seeing them.

3 **Q.** Assuming they made it to the third line support?

4 **A.** Yes, but, basically, you know, this did seem to
 5 be a usable system because it was being used.

6 **Q.** You mean because it didn't fall over?

7 **A.** It didn't fall over. People weren't reporting,
 8 "Oh, I've pressed this button to sell a First
 9 Class stamp and it's sold", I don't know,
 10 something else instead. We weren't getting
 11 large numbers of calls from people saying, "Oh,
 12 we did this and it's not there", and so on.

13 So I think it's -- you know, it's hard to
 14 put it into words, but we weren't getting, if
 15 you like, the feedback from the live estate that
 16 it -- that there were a huge number of
 17 significant problems.

18 **Q.** So these fears that had been expressed, just
 19 months before you joined, that there needed to
 20 be a total redesign and total rewrite of EPOSS,
 21 when the system was working, they just didn't
 22 come to pass?

23 **A.** Well, it may well be -- I don't know, you gave
 24 the date on the front of this as being --

25 **Q.** 10 May.

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1 So I remember that as just one particular
 2 call where there was a particular problem and
 3 difficulty and I cannot remember what the root
 4 cause of it was.

5 **Q.** But you didn't have an overarching view of
 6 EPOSS, that it was a problematic or troublesome
 7 system? The Inquiry has heard some evidence
 8 already, in its Phase 2, as to the views of some
 9 of those within Fujitsu and Post Office --

10 **A.** Mm-hm.

11 **Q.** -- as to the quality of the EPOSS system, one
 12 describing it as "a bag of" and then
 13 an expletive. When you took over in the SSC, it
 14 didn't strike you as being deeply problematic?

15 **A.** No, I mean, by this time, there were, I don't
 16 know, perhaps initially 10,000 Post Office
 17 Counters using it every day for all their
 18 business, and then 15,000, and then 25,000, and
 19 finally about 37,000 counters using it, and,
 20 although yes, obviously, some calls were coming
 21 in and some of them were EPOSS, we certainly
 22 weren't being swamped with the number of calls
 23 that you would expect if the system was
 24 thoroughly rotten, because it just -- you know,
 25 once you've ramped up to those volumes, you are

50

1 **A.** Yes, but that was the final edition of that
 2 document rather than when it was initially
 3 written?

4 **Q.** Correct.

5 **A.** So it's quite possible that bug fixes and other
 6 changes would have been made to the system in
 7 that period. So, you know, the system wasn't
 8 static, things were being fixed and enhanced,
 9 all the way through its life.

10 **Q.** The Inquiry understands that a gentleman called
 11 Matt Aris, A-R-I-S, was the EPOSS development
 12 team leader; do you remember that?

13 **A.** I remember the name.

14 **Q.** Do you remember him being the development team
 15 leader?

16 **A.** I couldn't have sworn to that if you hadn't just
 17 told me.

18 **Q.** Can you help us: what would be his, if he was
 19 the development team leader, his relationship to
 20 Gareth Jenkins?

21 **A.** I assume that if there was -- when changes to
 22 the system were -- when changes to the code were
 23 happening or to the design, he would use Gareth
 24 to discuss anything that needed discussing, and
 25 so on.

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1 Q. So he was more senior to Mr Jenkins?
 2 A. No, Mr Jenkins would have been more senior,
 3 I would have thought.
 4 Q. Were they in the same team, the same reporting
 5 structure?
 6 A. I've no idea.
 7 Q. Did you have dealings with Mr Aris?
 8 A. I almost certainly talked to him. I think I did
 9 talk to him. To start with, as I said, we were
 10 quite a self-contained team and, if we wanted to
 11 pass a ticket on to fourth line because we
 12 thought there was a code problem and they needed
 13 to investigate further, then the way of doing
 14 that was just to assign it on PEAK, so it got
 15 passed through.
 16 As time went by, I have always liked to try
 17 to develop some sort of relationship between
 18 teams and so, certainly, once the development
 19 teams had moved into Bracknell, then I would
 20 quite likely walk down a flight of stairs and go
 21 and talk to them about something, rather than
 22 just saying, "Oh, well, it's off my desk", and
 23 passing it on to them in that way.
 24 Q. Can I turn, before we have the morning break, to
 25 the ways in which the SSC operated in practice.

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1 statement, maybe if we can turn that up, please.
 2 Witness statement, paragraph 30, which is on
 3 page 8. You tell us in the last sentence of the
 4 main part of paragraph 30:
 5 "In relation to counter issues for Legacy
 6 Horizon, the primary sources of evidence would
 7 be ..."
 8 Then you set out three bullet points. So
 9 the first one, is that the branch data in the
 10 message store?
 11 A. Yes, this is all the branch transaction data and
 12 various other messages that would be written to
 13 the message store as well and all the reference
 14 data for the branch.
 15 Q. Just now, for later on when I ask you questions,
 16 it's right, is it, that that that, could later
 17 be retrieved from an archive via Fujitsu
 18 Security and is referred to as the ARQ data?
 19 A. Yes.
 20 Q. Yes? Is that a shorthand summary?
 21 A. Um, yes, I mean, the ARQ data could either
 22 contain the whole of the message store or --
 23 well, it was a slightly -- I don't know how
 24 I can explain this without explaining a bit more
 25 about message stores and Riposte but you may not

55

1 I've got ten or so issues I want to ask you
 2 about, please:
 3 Firstly, the data available to you.
 4 Secondly, the process by which tickets were
 5 passed to SSC and, in particular, the system for
 6 linking them in to a KEL.
 7 Thirdly, concerns about the SSC fobbing off
 8 subpostmasters.
 9 Fourthly, how the SSC would go about
 10 establishing the extent of a problem when it
 11 received a ticket.
 12 Fifthly, what information was passed back to
 13 subpostmasters by the SSC or others.
 14 Six, some other problems with the PEAK
 15 system.
 16 Seven, the process of pacing
 17 an investigation around a single PEAK.
 18 Eight, looking at the Horizon Helpdesk role.
 19 Ninth, the use of ARQ data.
 20 Tenth, attributing a problem to user error.
 21 Okay, so they're the ten topics we're going
 22 to look at.
 23 Firstly, then, the data available to you
 24 when a ticket was allocated to you.
 25 You tell us in paragraph 30 of your witness

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1 want to go into that now.
 2 Q. I probably don't, thank you.
 3 A. Okay.
 4 Q. But, for present purposes, it's sufficient to
 5 note that this first bullet point contained data
 6 that was archived?
 7 A. That data was all archived, yes.
 8 Q. Fujitsu Security could access it and a way of
 9 describing it is ARQ data?
 10 A. Yes.
 11 Q. Okay. Then, secondly, the event log from the
 12 Horizon counter application?
 13 A. Yeah.
 14 Q. Then, thirdly, the --
 15 A. Sorry, could I go back to the second one.
 16 That's actually the Windows NT application event
 17 log, so it's not just the Horizon application
 18 that's writing to it.
 19 Q. Okay, can you just describe, for the benefit of
 20 those listening, what the Windows NT log was,
 21 then?
 22 A. Any events that have been generated by
 23 an application running on a computer or by the
 24 Windows system itself would be written to this
 25 event log.

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1 Q. So, essentially, events in the Windows product
2 that the counter application was built on top
3 of?
4 A. Yes, but also counter application events as well
5 would be in there. But it's not purely counter
6 application events. There would be events from
7 other processes running on the counter, as well.
8 Q. Then, thirdly, the psstandard.log from the
9 counter. Can you explain what that is, please?
10 A. That that was -- I think "ps" stood for
11 "peripheral server" but it got written to by
12 various things, so in that we could see stuff
13 like what had been output on the tally roll
14 printer at the branch, and so on. There was
15 also a certain level of diagnostics came out
16 somewhere, and I can't remember if they were
17 also in the psstandard.log or if I've missed
18 something and they went somewhere else.
19 Q. So the two event logs you mention in the second
20 and third bullet points there, on which servers
21 were they stored?
22 A. They weren't stored on servers; they were only
23 stored on the counter.
24 Q. They weren't stored on servers at all?
25 A. The logs -- the events were sent to the data

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1 A. Mm.
2 Q. By that, did you mean by accident, as it were,
3 rather than by design because the archived data
4 might be needed?
5 A. Yes, I think it was more that a lot of files
6 were kept for quite a period. But data that was
7 intended for future use in prosecutions, and so
8 on, if you like, was -- that was very carefully
9 secured and then there were sort of proper ways
10 of accessing it, and so on.
11 Q. But that process wasn't extended to the data
12 archived in relation to these two event logs,
13 have I understood you correctly?
14 A. The application event log, no, and the
15 psstandard logs, they didn't go anywhere except
16 they were just on the counter, so we could
17 retrieve them, and they were only there for
18 quite a short period of time.
19 Q. So when you and the SSC retrieved data from
20 event logs and including from the archive, how
21 was that process recorded?
22 A. I don't think it was. We wouldn't -- the
23 long-term event archive was very rarely used.
24 We didn't -- I didn't know it was there until
25 2006. The stream that went through Tivoli we

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1 centre through something called Tivoli, I think,
2 and then they were stored.
3 Q. Where were those servers?
4 A. At the data centre, one in Bootle and one in
5 Wigan, but I couldn't tell you the names of the
6 particular servers that these were stored on.
7 Q. Were there back-up arrangements for those
8 servers?
9 A. Almost certainly but I don't know any of the
10 detail.
11 Q. You can't help us with what those back-up
12 arrangements might have been?
13 A. No, and I don't think that the stream of events,
14 although it was there for monitoring, and in
15 fact they were saved for posterity, they weren't
16 sort of securely locked and audited in the way
17 that the message store data that could then be
18 retrieved via an ARQ request was locked and
19 kept.
20 Q. That was my next question. What processes were
21 employed to ensure that the data on those two
22 event logs was archived and maintained securely?
23 A. I don't think it particularly was.
24 Q. You said in an answer before last that they were
25 just kept for posterity.

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1 could look at and I cannot remember if that had
2 anything behind it that did secure that for any
3 length of time.
4 If we pulled an application event log direct
5 from the counter or the psstandard.log direct
6 from the counter, I'm not sure that was recorded
7 anywhere that we had done that.
8 Q. Was nothing done to ensure that the retrieval of
9 data from these two sources was recorded and was
10 undertaken in a secure, auditable way?
11 A. I don't think it was, no. It was the only --
12 the security about it was that we were in
13 a locked floor with fairly restricted access to
14 the counters.
15 Q. On the counter application, what sort of events
16 would be recorded?
17 A. Um, the one that springs to my mind is if
18 Riposte outputs -- Riposte being not part of the
19 counter application but underlying it -- if that
20 produced an error, or even just -- you'd also
21 have startup messages in there, so as the
22 counter application started up, it would write
23 various events saying where it had got to in the
24 process.
25 Q. Who programmed the counter application to record

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1 which events?
 2 **A.** I presume it was in the development code but
 3 I've no idea.
 4 **Q.** Do you know the decision making that had been
 5 applied into which events were recorded and
 6 which were not?
 7 **A.** No. These are not -- there's a big opportunity
 8 for misunderstanding here. The counter
 9 application itself wrote events into the message
 10 store to say when somebody logged on and logged
 11 off or when they did a declaration or when they
 12 produced a report. Those sort of events. But
 13 those are very Riposte events stored in --
 14 sorry, not Riposte events. Well, they're events
 15 that are stored in the message store rather than
 16 in the application event log.
 17 **Q.** On the NT event log --
 18 **A.** The NT event log.
 19 **Q.** -- that was presumably a result of Microsoft
 20 programming?
 21 **A.** No, the counter application, if ...
 22 *(Pause)*
 23 Yes, I don't think I remember well enough to
 24 explain this. If I had an example in front of
 25 me, I could probably work through it and explain

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1 **A.** That would be up to the individual. I would
 2 probably keep everything I'd looked at for at
 3 least a year, if not longer, just in case there
 4 was any follow-up.
 5 **Q.** But that was a matter of individual discretion
 6 amongst the 25 of you?
 7 **A.** Yes.
 8 **Q.** Where would you keep it?
 9 **A.** On our secure server.
 10 **Q.** So what would you do? Would you save it as
 11 a file?
 12 **A.** Yes, it would be saved and when we extracted it,
 13 it would go into somewhere in our own area --
 14 **Q.** So almost saving to desktop?
 15 **A.** Not on our desktop, no, on a remote server that
 16 we had access to.
 17 **Q.** Why did you settle on to a year to keep?
 18 **A.** Sometimes it would be longer. If I felt I was
 19 starting to run out of space, I would -- I would
 20 very occasionally do a tidy-up but I wasn't the
 21 tidiest person in the world.
 22 **Q.** But it was down to your individual discretion?
 23 **A.** I believe so, yes, I don't think anybody ever
 24 said, "Oh, you must keep this". I'm sure nobody
 25 ever said.

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1 things to you but, trying to remember it cold,
 2 I don't think I'm going to be able to add a lot
 3 more here.
 4 **Q.** If you investigated the event logs whilst
 5 dealing with a ticket, would you preserve the
 6 event logs with the ticket, ie with the PEAK, or
 7 alternatively in the KEL, or not preserve them
 8 at all?
 9 **A.** If the ticket needed further investigation and
 10 was going on to fourth line, then, yes, the
 11 event log would be attached to the PEAK, along
 12 with the message store, and anything else we'd
 13 found that looked useful because the SSC were
 14 the only team who could get this information out
 15 of the live system, so we were expected to get
 16 what we could because then that was all that
 17 fourth line support would be able to look at to
 18 try to find the root cause, and so on.
 19 If our investigation didn't find anything
 20 further that was needed, for example it was
 21 another instance of a known error or something
 22 else, then these probably wouldn't be saved.
 23 **Q.** If they weren't preserved in the way you've just
 24 described, how long was each species of event
 25 log retained for?

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1 **Q.** In addition to the data that we just looked at,
 2 when a ticket was assigned to you, if
 3 appropriate, you would have had a KEL, yes?
 4 **A.** If somebody who had already looked at it at
 5 first or second line, or potentially the
 6 pre-scanner, had decided that a KEL --
 7 an existing KEL looked applicable --
 8 **Q.** Looked vaguely relevant?
 9 **A.** -- then, yes, they would have put a mention to
 10 that on the PEAK or the PowerHelp call and then
 11 it was just a hotlink to click on it and to read
 12 the detail.
 13 **Q.** If they hadn't made that association, would you
 14 nonetheless check the KEL system to see whether
 15 there was one?
 16 **A.** Um, probably, yes. That was probably the
 17 process. In practice, once I had been there for
 18 some length of time, if it was a call,
 19 an incident coming in about something that I was
 20 already familiar with, I -- you know, I might
 21 well know without the searching which KEL it
 22 was. But, yes, certainly if something came in,
 23 somebody reporting a particular error message,
 24 then you'd do a KEL search for that error
 25 message or whatever and, if you found something,

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1 then that's your starting point.

2 **Q.** How would you do a KEL search?

3 **A.** Um --

4 **Q.** Was it a free text keyword search?

5 **A.** It was a very, very free text search, so you

6 just entered a few words that you thought might

7 be relevant. Obviously, if you've got an error

8 number or something like that, that's a good

9 starting position, or an event from a particular

10 source, there would be clues in that as well.

11 So you could type any or all of these things in

12 and see what you've got.

13 **Q.** How accurate and reliable was that process in

14 turning up relevant KELs?

15 **A.** Pretty good but, like any system, it depends how

16 well they've been written in the first place.

17 But certainly for something like a specific

18 error number, yes, if there was a KEL, you were

19 very likely to find it.

20 **Q.** Then, lastly before the break, you also had the

21 databases of past PinICLs and PEAKs, is that

22 right, that you could access?

23 **A.** Yes. Again, that was a free text sort of

24 a search, I think.

25 **Q.** I was about to ask, how would you search the

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1 **SIR WYN WILLIAMS:** Such was my concentration level,

2 Mr Beer, that I didn't hear the third noise. So

3 whatever was going on between you and the

4 witness kept it out.

5 Anyway, we'll have a 15-minute break.

6 Mrs Chambers, I don't expect you to keep

7 yourself in purdah when we have these breaks but

8 just don't talk about your evidence with anyone,

9 all right?

10 **THE WITNESS:** Thank you.

11 **(11.30 am)**

12 **(A short break)**

13 **(11.50 am)**

14 **SIR WYN WILLIAMS:** Yes, Mr Beer.

15 **MR BEER:** Thank you, sir.

16 Mrs Chambers you said before the break that

17 when a ticket would come in, you would

18 principally rely on PinICLs or PEAKs that were

19 referenced in a KEL to conduct your

20 investigation.

21 **A.** No, you asked me if I would search through the

22 PEAKs --

23 **Q.** Yes.

24 **A.** -- and I said probably not, you'd link from

25 a KEL.

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1 database of PinICLs and PEAKs?

2 **A.** Yeah, I'm trying to think back. Certainly, by

3 the time left, I'm just about certain it was

4 very easy to search. Again, a free text search.

5 **Q.** Would you habitually do that? If a ticket came

6 in, would you go to the PinICL and PEAK database

7 and look at that database to investigate the

8 current ticket?

9 **A.** I'd be more likely to do it from the KEL system.

10 **Q.** So only if there was a link to past PEAKs or

11 PinICLs in the KEL, would you click the

12 hyperlink through; is that right?

13 **A.** Yes, probably that would be the normal way of

14 doing it.

15 **MR BEER:** Yes, thank you very much. I wonder

16 whether that's an appropriate moment.

17 **SIR WYN WILLIAMS:** Yes.

18 **MR BEER:** Just in relation to the noises, the first

19 noise was a waste disposal unit's pistons

20 needing oiling. That has been done. The second

21 noise was a mobile phone and that won't happen

22 again, I'm sure. The third noise was a fire

23 alarm not in this building because we wouldn't

24 be here. It was of an adjacent building behind

25 us, which had to be evacuated, but not us.

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1 **Q.** Yes.

2 **A.** That wouldn't be how you'd start

3 an investigation.

4 **Q.** No, I wasn't saying that was the entire range of

5 the data that you would look at.

6 **A.** Yeah.

7 **Q.** We looked at the data that you would use before

8 the break but, insofar as you were to look for

9 PinICLs and PEAKs, you would rely on those that

10 were referenced in the KEL?

11 **A.** That would be your starting point, if you wanted

12 to -- if you needed to look at another PEAK,

13 to --

14 **Q.** So say there were two that were referenced and

15 they were hyperlinked there, would you think,

16 "Right, that's it", or would you, on each and

17 every occasion, look at the PinICL and PEAK

18 database to see whether there are any more?

19 **A.** Um, no, you -- it would depend so much on the

20 individual problem.

21 **Q.** What factors would determine whether you would

22 or would not rely on PinICLs and PEAKs

23 identified in a KEL?

24 **A.** Sorry, I'm not thinking this through very well.

25 Um, when you're investigating a problem that's

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1 come in, you -- you're not necessarily starting
2 by seeing how many times it's already happened,
3 or whatever. That might then be something that
4 you would do later on in the investigation, but
5 you -- so you're saying, if it's a known error,
6 a definite known error that has come in, would
7 I then go and look to see how many other
8 occurrences of it there had been?

9 **Q.** Yes, I'm not saying that. I'm asking what your
10 practice was?

11 **A.** Yeah, I mean, if it's a known error and there is
12 a KEL for it already, then it is possible that
13 that should not have come over to third line in
14 any case.

15 **Q.** But we're necessarily talking here about cases
16 where there is a KEL associated with the ticket
17 that you're --

18 **A.** There is a KEL associated with the ticket but
19 the call has been passed over to us anyway so
20 then we need to look at the circumstances of
21 this individual call and see whether the KEL
22 does relate to it. You know, you do a lot of
23 investigation before you go following all the
24 other links.

25 **Q.** Yes, and I wasn't looking at the issue of where

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1 So if we're -- you're saying a new problem
2 has been -- well, an existing problem is there,
3 we have another call about an existing problem,
4 would I always go and see how many instances
5 there had been? It would depend what -- whether
6 it was something that each instance could be
7 dealt with sensibly, individually or whether we
8 felt it was part of a, you know -- there was
9 a bigger picture that needed to be identified.

10 **Q.** Okay, I'll move on but I'll come back to that
11 later.

12 You say in your witness statement, it's
13 paragraph 16, if we just look at it on page 4:

14 "I am asked whether I consider that the KEL
15 system was adequate for its purpose. Overall,
16 I think the KEL system worked well although
17 there were some problems. For example, many
18 KELs documented similar symptoms, and service
19 tickets could be passed to SSC with the wrong
20 KEL quoted."

21 Yes?

22 **A.** Yeah.

23 **Q.** When you say "the wrong KEL quoted", it meant
24 that somebody in the chain before you had
25 identified a KEL that was unrelated to or

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1 do you start; I was looking at the entirety of
2 your investigation and, in the entirety of that
3 investigation, the question is: to what extent
4 do you rely on only those PEAKs and PinICLs
5 identified in the KEL as being associated with
6 this issue, or do you look at the PinICL and
7 PEAK database to look for other PinICLs and
8 PEAKs that may be associated with this issue?

9 **A.** Yes, in some cases you would.

10 **Q.** What would determine the some cases that you
11 would and those that you wouldn't?

12 **A.** If it looked like it was a repeating problem,
13 that wasn't -- where you needed to get some idea
14 of how often it was happening, then, yes, you
15 would go and look at all the PEAKs and PinICLs.

16 **Q.** How would you know if it was a repeating problem
17 without looking at the PinICLs and PEAKs?

18 **A.** Because of our knowledge of the system and the
19 things that we had individually looked at before
20 and whether the KEL said this has happened here,
21 here and here, and what the implications of the
22 problem were. I mean, in some cases, you
23 would -- yeah, sorry, I'm finding this rather
24 hard to answer sensibly because it's not -- you
25 know, if you gave me -- if ...

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1 irrelevant to this problem; is that right?

2 **A.** Yes, or it might have looked similar on the
3 surface but they were unable to -- they hadn't
4 realised it didn't apply, and there might have
5 been a better KEL which they hadn't found.

6 **Q.** Was that raised as an issue of concern within
7 Fujitsu by the SSC?

8 **A.** No, I don't think so it was up to SSC to improve
9 the KELs so that the right one was found in
10 future. We were the ones who were writing the
11 KELs.

12 **Q.** But you weren't the one that was doing the
13 associations on a new ticket that was sent to
14 you, were you?

15 **A.** No, but if they were -- if second line, first
16 line had found the wrong KEL then, you know, we
17 would look at the KELs to see how it could be
18 made clearer in future, so they would -- were
19 more likely to pick up the correct one. That
20 was part of our job.

21 **Q.** Was anything therefore done to rectify this
22 problem with the KEL system?

23 **A.** Well, it wasn't a problem with the KEL system it
24 was a problem with the individual -- the ways
25 some of the individual KELs were written, if

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1 there wasn't enough information in them for
2 somebody to ascertain between problem A and
3 problem B.

4 **Q.** That's one way of looking at it: it's the way
5 that the KEL has been written by the SSC.

6 **A.** Mm.

7 **Q.** Another way is that the people doing the
8 assigning in phase 1 and phase 2, first and
9 second line, are just misassociating KELs with
10 the new ticket?

11 **A.** Yes, so it is a problem that they have done that
12 and -- yeah.

13 **Q.** Was that raised with first and second line
14 support?

15 **A.** I'm sure occasionally it was passed back to them
16 that they hadn't found the right one, but
17 I don't think it was such a huge -- yes, I don't
18 think it was a huge problem.

19 **Q.** How was it established that the wrong KEL had
20 been quoted on the ticket?

21 **A.** Because when I or one of my colleagues looked at
22 the information and the problem, we could see
23 that it wasn't the right one and that there was
24 a better one.

25 I mean, we -- we wouldn't have started our

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1 associated with this ticket", and he would
2 collect that data up on a monthly, quarterly,
3 yearly basis and then go back to first and
4 second line support?

5 **A.** I don't know. I mean, we might well put
6 a comment on the PEAK saying, "It's not this
7 KEL; it's that one". Whether anybody monitored
8 for that and fed it back, I don't know.

9 **Q.** If there wasn't anything in the KEL or the PEAKs
10 or PinICLs to help you, did you have any tools
11 for analysing for the branch concerned a week or
12 a month's worth of data, or did you need the
13 subpostmaster to narrow the period of the
14 relevant problem down to a reasonably short
15 period of time so you could look at that data
16 line by line?

17 **A.** It obviously helped if the postmaster was
18 aware -- you know, had some idea of which day or
19 what sort of -- are we talking now about
20 balancing problems --

21 **Q.** Yes.

22 **A.** -- where there's a discrepancy?

23 **Q.** Yes.

24 **A.** Because this was any a very small proportion of
25 the calls we were dealing with. So maybe I've

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1 investigation only by looking at the KEL that
2 had been pointed out to us. We would have
3 looked at all the evidence available.

4 **Q.** If you had picked up a ticket that had the wrong
5 KEL associated with it, would you go back
6 yourself to the person in first or second line
7 support who had made that association and say,
8 "Look, you've associated the wrong KEL here"?

9 **A.** Probably not.

10 **Q.** What was the system, therefore, to ensure that
11 first and second line support did not make these
12 mistakes?

13 **A.** For me to rewrite the KELs as necessary, so to
14 clarify between the two problems.

15 **Q.** You are again focusing on saying that it's your
16 fault or the SSC's fault, rather than people in
17 the first and second line --

18 **A.** Yes, yes.

19 **Q.** -- making mistakes?

20 **A.** Largely, yes. I mean, people do make mistakes
21 you have to base your systems around the fact
22 that people don't always get it right first
23 time.

24 **Q.** Was there any system of reporting to your
25 manager where you would log "Wrong KEL

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1 been misunderstanding you because I've been
2 answering in general terms, whereas maybe you've
3 been intending to ask me about specific
4 balancing problems.

5 **Q.** Previously I was asking in general terms about
6 the system of linking KELs to PEAKs and PinICLs.

7 **A.** Yeah.

8 **Q.** Now I'm asking about --

9 **A.** A specific balancing problem.

10 The more information that the postmaster
11 could provide, the more -- the easier it was,
12 obviously, for us to focus and look at
13 a particular area of concern. And sometimes --
14 I don't know, we'll see examples of this,
15 problems with rem in and rem outs. They
16 realised very quickly that something had gone
17 wrong while they were doing that and so then
18 obviously we'd always pull back the complete
19 message store, which contained roughly a month's
20 transactions. That varied at different times
21 but we're talking about a month's transactions.

22 **Q.** Just to stop you there, was that the typical
23 period that you personally would seek data for?

24 **A.** That is what was in a counter message store when
25 you retrieved it from the correspondence server,

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1 because the data was retained for, I think
 2 initially, 42 days and then it dropped down to
 3 about 35 days, and so the message store that we
 4 got back for a branch would always contain all
 5 that data. We would then focus in on any
 6 specific areas of problems but, if necessary, we
 7 could look over that entire period.

8 **Q.** If a subpostmaster said that they had
 9 misbalanced but they couldn't point out where in
 10 the week that had occurred or where in the month
 11 later on that had occurred, would you ever refer
 12 them back to the NBSC?

13 **A.** I would always have a look to see if I could
 14 narrow it down to where a problem might have
 15 occurred and I can go into some detail as to how
 16 I would do that, if you want me to.

17 **Q.** At the moment, would you ever refer them back to
 18 the NBSC to provide more detail?

19 **A.** If -- the NBSC were meant to have taken them
 20 through, to question them fairly strongly to see
 21 if there were any user errors that might have
 22 caused this. If we got a -- this type of call,
 23 and there was no sign that it had already been
 24 through NBSC, then it might well be passed back
 25 but we would normally expect the first or second

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1 a spreadsheet which I'd developed a bit, that
 2 then -- so instead of just a very long, very
 3 hard to read text line, it would pull out fields
 4 of interest, which obviously would be value, the
 5 mode in which this transaction had been done.

6 I would then do a column with a running
 7 total to give you the system cash position at
 8 any point in time. So if you say at the start
 9 of the week the postmaster has balanced, so he's
 10 declared how much cash he's got so you have to,
 11 you know, at some point assume that that was
 12 correct, so you've got a starting position, you
 13 can then work out your system cash position as
 14 you go through by adding on all the cash
 15 transactions that have taken place.

16 Then, at the points at which the postmaster
 17 declares cash or declares his overnight cash
 18 holding, you can see two other figures -- well,
 19 at least one. You can see what he or she has
 20 declared that they are holding at that point,
 21 and if it's declare cash or an overnight cash
 22 holding where they calculated the difference,
 23 you can also see what the system calculates the
 24 cash to be at that time.

25 So going through a week or a month, you've

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1 line to have said, "Hang on, you need to go and
 2 talk to NBSC first".

3 So, by the time it came back through to us,
 4 I would almost always -- I would have a look
 5 anyway just to see what I could see.

6 **Q.** Did you have a methodical process that you
 7 applied to each ticket, in terms of steps of
 8 investigation that replicated itself time and
 9 time again or was it dependent on the nature of
 10 the issue identified in the ticket?

11 **A.** It would depend very much on the nature of the
 12 issue but, you know, getting the message store
 13 was always one of the first things for anything
 14 counter related.

15 **Q.** What did you do when you obtained the message
 16 store? I think this was what you were going to
 17 tell me a moment ago.

18 **A.** Yeah, you opened it up and it's this absolutely
 19 enormous text file so we used a fairly good text
 20 editor that would let us highlight, search
 21 things, highlight lines, pull out all the lines
 22 that we'd marked. So for a discrepancy call,
 23 where we weren't given any other clues, I would
 24 highlight all the product 1 lines -- product 1
 25 being cash -- pull them out, put them into

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1 got all these points where you've got two or
 2 three figures that you can compare to see how in
 3 line they are. Now, if you've got a difference
 4 between the first -- your own running system
 5 total and the cash total that the system has
 6 calculated at that point, if those are
 7 different, then you have a system problem
 8 because -- of some kind, which you can then
 9 investigate and see, well, I think the system
 10 cash should have been this but the system is
 11 that. Why are they different? What's not been
 12 included? And so there are some of the bugs
 13 that are covered which would fall into that
 14 category.

15 And also, if you're -- yeah. I'll go back
 16 to that. But then you've got the comparison
 17 between what the postmaster has declared he's
 18 got and what the calculated figure is, and that
 19 is your discrepancy, which you're then looking
 20 for a cause for.

21 Now, if you've done this over a week,
 22 sometimes you can see it's in step, as it should
 23 be, these figures are all in step, except for
 24 one day suddenly it jumps and suddenly you've
 25 got a discrepancy of £2,000. So then, on that

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1 day, you look at all the transactions to see if
2 you can see anything, either system error or
3 user error, that could possibly have caused
4 a discrepancy of £2,000.

5 **Q.** Just stopping there, how would you determine
6 whether the discrepancy was user error or system
7 error?

8 **A.** You can't.

9 **Q.** You just said you would determine whether it was
10 system error or user error.

11 **A.** Well, you can look. If you can -- if you can
12 see something like a rem of the same pouch has
13 gone in three or four times, then that's fairly
14 likely, either the postmaster has been -- got
15 really carried away and has scanned the thing
16 several times, which shouldn't be allowed to
17 happen anyway, or it's a good working hypothesis
18 that you have some sort of system error with
19 that. So then you need to look and see exactly
20 what has happened.

21 But if you look at all these -- I mean,
22 you'd start out just by looking at the cash
23 transactions and the different modes. If you
24 can't see anything anywhere that gives you any
25 sort of a clue, it doesn't seem to be

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1 **A.** Whether -- and hindsight is a wonderful thing,
2 but when I first started doing these sort of
3 things, I sort of assumed that perhaps somebody
4 within the Post Office organisation would go and
5 help the postmaster to discover where something
6 might be going wrong.

7 **Q.** Why did you assume that?

8 **A.** Because that seemed a reasonable thing to
9 happen.

10 **Q.** Did you have any positive evidence that that did
11 happen?

12 **A.** No, and from talking to postmasters when I sort
13 of said "Well, you know, maybe your manager
14 could help", I didn't often get any very
15 positive feedback to that suggestion.

16 **Q.** Were you told that in fact what happened was
17 that if you wrote off a ticket or wrote up
18 a ticket which said, "No evidence of system
19 error", that the consequence of that would be
20 that the postmaster would pay --

21 **A.** No.

22 **Q.** -- would have to pay?

23 **A.** No, I didn't -- certainly early on, I did not
24 realise that.

25 **Q.** After early on, when did you realise it?

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1 particularly on one particular day or anything,
2 you may not be able to -- in those cases -- and
3 it did happen -- if there's no sign of any
4 system error, the calculated system figure is
5 correct, all that is wrong is the difference
6 between the system figure and what the
7 postmaster says -- has declared that they've
8 got, then, unless you've got the knowledge of
9 what has taken place at the branch and have some
10 way of checking that what is recorded on the
11 system actually matches what happened at the
12 branch, then you are not going to get any
13 further.

14 **Q.** We're going to come back to this a little later
15 today but, in that case, where you couldn't
16 possibly identify a system error, was the ticket
17 written up as user error?

18 **A.** Not normally, no. It would normally be "There's
19 no evidence of a system error".

20 **Q.** What was the consequence of writing a ticket up
21 "No evidence of a system error"?

22 **A.** It would go back through the lines of support
23 and then it would be up to the postmaster and
24 NBSC to see if they could pursue it any further.

25 **Q.** What do you mean by pursue it any further?

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1 **A.** Um, I suppose when cases started going to court.

2 **Q.** Can you date that?

3 **A.** 2005.

4 **Q.** Did that affect the way that you conducted
5 yourself after then?

6 **A.** I don't think so because I still -- you know, my
7 job was to try to identify system errors and,
8 you know, you can't, I think, turn round and
9 say, "Oh, well, it might be a system error but
10 I can't find it", not in a case where -- not
11 when there's -- you know, there is so much
12 variability, shall we say, on the customer side.

13 **Q.** In any event, we'll come back to that a little
14 later on. Can we look, please, at FUJ00086462,
15 please. Can we start, please, at page 2.

16 This is a series of emails that you became
17 involved in, in 2006, concerning the data tree
18 build failure, that we're going to look at
19 later, but just to orientate yourself, this is
20 some six years into the operation of --

21 **A.** I don't think this is quite to do with that.

22 **Q.** Oh, isn't it? Well, let's go down and look at
23 Kimberly Yip's message at the foot of the page,
24 please. You'll see you're not involved in this
25 but it's the background to it.

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1 A. But I had -- yes, yeah.
 2 Q. You're not a copy-ee yet.
 3 A. No.
 4 Q. You'll see that this is about performance speed,
 5 I think.
 6 A. Yes, it was the performance of them producing
 7 their balance reports.
 8 Q. And --
 9 A. But it's not the same as the data tree problem.
 10 Q. As the data tree. Okay. Ms Yip sent an email
 11 to Graham Welsh. Who was Graham Welsh?
 12 A. Um, customer services manager?
 13 Q. We've got some documents that suggest his job
 14 title was Fujitsu's Strategic Services Manager
 15 for the Post Office Account.
 16 A. I think he had various job titles over the
 17 years.
 18 Q. But you would put him down as customer services,
 19 essentially?
 20 A. Yes, I think at that point, that was -- he was
 21 part of the service management team, if not the
 22 leader of the service management team.
 23 Q. Anyway, Ms Yip says to him:
 24 "Please forgive me if you are not the
 25 appropriate person to forward this email to.

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1 (1.5 hours) and the Final Balance at 23.04.
 2 "I've looked at what was going on during the
 3 balance report production.
 4 "There was nothing out of the ordinary,
 5 apart from the very large number of transactions
 6 being processed (about 40,000). The number of
 7 transactions processed per second was rather
 8 less than we sometimes see, but not
 9 significantly so, apart from the period 19.00 to
 10 19.10 when the counter end-of-day processes were
 11 running.
 12 "Anne also provided me with some
 13 recommendations which I have passed on to the
 14 branch and I will ask FS to do a similar
 15 exercise to the one above (ie provide timings)
 16 when the next TP rollover is completed, 14 June
 17 [2006], to see if there are any significant
 18 improvements. I have been told about another
 19 branch so I am hoping to do a similar exercise.
 20 In both cases the rollover times do seem
 21 excessive and my worry is that these are not
 22 isolated incidents. So in terms of the time it
 23 is taking branches to complete the balance
 24 process, can FS provide me with details on what
 25 constitutes an acceptable length of time, for

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1 "I have been contacted again by the POL
 2 Service Line to obtain an update on progress on
 3 the current Horizon System performance issues.
 4 "One particular branch has been escalated to
 5 me [and then identity of the branch is given]
 6 and last rollover timings have been sent to me
 7 by Anne Chambers, see below:
 8 "From 17.00 the branch started printing the
 9 daily report and this continued until [about]
 10 18.30. They then declared stamps and cash, and
 11 pressed the Balance report button at 18.37. The
 12 Trial Balance was not printed until 21.12
 13 (ie over 2.5 hours later). Much of this time
 14 the system was processing the month's
 15 transactions. There's a gap between ... 19.30
 16 and 20.05 where it may have been waiting for
 17 input from the [postmaster], but I can't be
 18 certain.
 19 "After the Trial Balance the report was
 20 abandoned, presumably because the [postmaster]
 21 needed to check and resolve the discrepancies.
 22 At 21.27 cash and stamps were redeclared (with
 23 some variation from the original), and at 21.28
 24 the Balance report button was pressed again.
 25 The second Trial Balance was printed at 22.58

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1 example, if it takes 4 hours then this is
 2 reasonable or if it's more than 5 hours then it
 3 needs investigating, etc. This will then give
 4 me a better understanding on what I should be
 5 passing on to FS or if I should be passing on
 6 the recommendations to implement.
 7 "One of the recommendations was to roll
 8 Balance Period every week, can you confirm that
 9 this does reduce the overall time taken to roll
 10 into a new TP at the end of the period?
 11 "If you need any clarification, [don't]
 12 hesitate to contact me."
 13 Then if we scroll back up the page, please,
 14 we can see that Mr Welsh forwards this to you
 15 and to John Burton.
 16 "Anne,
 17 "Can you please comment on the attached ..."
 18 Then:
 19 "John,
 20 "This issue is silly in the amount of time
 21 and resource being applied for a system that is
 22 performing to design ... Yes I know but frankly
 23 the level of grief and support required is
 24 crazy!"
 25 Then if we go to the message at the top of

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1 the page, we can see that Mr Burton replies:
 2 "Graham,
 3 "... I see exactly what you mean. By
 4 coincidence, I'm reviewing Gareth's report on
 5 this issue tomorrow morning, before it's
 6 submitted to [Post Office]. I gather it quotes
 7 some hefty prices for making improvements, but
 8 I'll be better informed after the review."
 9 Then further up the page, please. Your
 10 reply on the same day:
 11 "John,
 12 "I've looked at many branches now, and they
 13 range from very slow to horrifically slow when
 14 rolling over stock units. It does vary
 15 depending on the particular process followed at
 16 each branch, and if you break it down into
 17 various components each may appear to be (just)
 18 within 4 [hours] as long as the weekly rollover
 19 used to be, but the impact on the postmasters is
 20 horrible.
 21 "There have been some piecemeal changes to
 22 try to improve certain areas, but most if these
 23 have made little improvement, and overall, may
 24 have been a waste of effort.
 25 "As I see it, there are two main problems:
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1 investigated' -- what else can we say?"
 2 You said in the course of your reply there
 3 "they", that's the times, range from very slow
 4 to horrifically slow. How wide a sample did you
 5 take when giving that answer, if you can recall?
 6 **A.** Um, hundreds, I think. I can't exactly remember
 7 but I did -- we got calls coming in about it.
 8 I haven't recently seen any call that I sent off
 9 to development but I'm sure we did, and the
 10 initial response that we got back from
 11 development was "Oh, well, it was agreed with
 12 Post Office that, um, it wouldn't take more than
 13 four times as long as" -- because they used to
 14 have to roll over every week. So now they're
 15 only having to roll over once every four weeks,
 16 although they can still roll into a new balance
 17 period each week, and apparently it had been
 18 agreed that, as long as the overall process was
 19 no longer than four times what it had been
 20 previously, that would be all right.
 21 But, in practice, it was having a big impact
 22 on branches, which I was well aware of.
 23 **Q.** What kind of delays are we therefore talking
 24 about?
 25 **A.** Well, you had some of the timings below, so, you
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1 "1. The balancing process repeatedly scans
 2 and rebuilds the data tree. This was identified
 3 as a problem at least 6 months ago, and
 4 improvements to this are, I think, what Gareth
 5 is proposing.
 6 "2. Counters are inadequate for the
 7 applications now being run on them and do run
 8 generally slowly at times. This hasn't really
 9 been fully investigated, and is really difficult
 10 to quantify or prove that it is happening -- the
 11 only evidence is what the [postmaster] reports.
 12 It is however adding to the customer
 13 dissatisfaction and could only get worse even if
 14 we improve balancing.
 15 "I am not at all happy about fobbing
 16 postmasters off and telling them that the system
 17 is working as designed when it is plainly
 18 inadequate for the job. I am also very unhappy
 19 that it has taken six months even to get to the
 20 point of starting to consider whether [Post
 21 Office] will pay for improvements.
 22 "I too would like guidance on when 2nd and
 23 3rd line support should investigate further.
 24 Our current response has to be 'yes, we know
 25 balancing is very slow, it is being
 90

1 know, it was --
 2 **Q.** Were they typical, the timings we saw below or
 3 atypical?
 4 **A.** That was not untypical.
 5 **Q.** You said the impact on postmasters is
 6 "horrible". What was the horrible impact on
 7 postmasters?
 8 **A.** They were having to -- I'm sure the postmasters
 9 could answer this one for you but they were
 10 having to sit there after end of trading on
 11 Wednesday and, instead of getting it all done
 12 and being out of the door in an hour/an hour and
 13 a half, or whatever, you know, they might still
 14 be there five, six hours later.
 15 **Q.** With a final balance, as we saw in that example,
 16 of just after 11.00 pm?
 17 **A.** Mm, and obviously, if during the process, they
 18 did they'd got discrepancies, which are not
 19 unusual things to happen at branches, but then
 20 they would have to go back and check and perhaps
 21 recount their cash and look for anything. And
 22 so, you know, it wasn't a sit down, press
 23 a button and off it all goes. They were having
 24 to do a great deal behind the scenes.
 25 **Q.** You say the problem had been identified six
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1 months ago but nothing effective had been done
 2 about it?
 3 **A.** I think we'd been aware of the problem since the
 4 switch from every week cash account periods to
 5 where they changed to balance periods and
 6 trading periods.
 7 **Q.** Wasn't that in 2004?
 8 **A.** Um, I thought it was later than that. Maybe --
 9 I'm not sure. I can't remember.
 10 **Q.** But, in any event, this email suggests that you
 11 knew that the problem had existed for at least
 12 six months. What had been done in that six
 13 months, to your knowledge?
 14 **A.** I don't know.
 15 **Q.** You say, "I'm not at all happy about fobbing off
 16 subpostmasters and telling them the system is
 17 working to design"?
 18 **A.** Yes, I wasn't because I had spoken to quite
 19 a few of these postmasters and I could tell how
 20 unhappy they were. I think this email --
 21 I obviously was trying to get my point across
 22 forcefully and I was slightly sticking my neck
 23 out, but I felt I was a little bit closer to the
 24 people who were having the problems, perhaps,
 25 than someone like John Burton, who I think was

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1 design, was that indicative of a more general
 2 approach that you were required to take within
 3 the SSC, ie "Don't reveal the true position that
 4 we know about publicly or to the subpostmasters,
 5 just say that the system is working well and to
 6 design"?
 7 **A.** I said it in this case because that was what
 8 I had been assured of but, no, I would not have
 9 said it in other cases where they'd had
 10 a problem that was caused by a system error. In
 11 that case, I would say to them, um, "Sorry, the
 12 system has -- there's an error here, this
 13 shouldn't have happened. It's a fault in the
 14 system which we'll be investigating".
 15 **Q.** Was there pressure on you in your communications
 16 with subpostmasters not to reveal errors in the
 17 system?
 18 **A.** No.
 19 **Q.** On this instance, on this email that we've got,
 20 it tends to suggest that there had been
 21 a message that you were required to deliver.
 22 You had been fobbing them off and said the
 23 system is working to design.
 24 **A.** Um, no, I think I would have said, "I know it's
 25 awful but I am told that the system is working

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1 the counter development manager.
 2 **Q.** Is what you had been doing for at least that
 3 six-month period then been to fob off
 4 subpostmasters?
 5 **A.** No, I would have been answering the calls and
 6 trying to explain that it was expected that it
 7 would be a slower process now that they were
 8 having to do, um -- now that the process had
 9 changed. But I did feel it -- I was concerned
 10 that it was having a big impact and that, as far
 11 as I had seen, nothing very much had changed,
 12 although I think there were a couple of code
 13 fixes that this suggests that something had been
 14 changed, that was meant to make it better but
 15 perhaps didn't really help very much.
 16 **Q.** Mr Welsh had said that the issue was a silly one
 17 and that resources within Fujitsu were being
 18 applied to a system that was performing to
 19 design. You were unhappy about telling
 20 postmasters that the system was performing to
 21 design, correct?
 22 **A.** Yes, given the impact that it was having on
 23 them.
 24 **Q.** The suggestion that you should say to
 25 subpostmasters the system is performing to

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1 to design, but we are still looking at it",
 2 Something like that. I wouldn't have tried to
 3 pretend that it wasn't a problem.
 4 **Q.** Scrolling up the page, please. We can see
 5 Mr Burton's response:
 6 "Anne, Graham,
 7 "I reviewed Gareth's feasibility report and
 8 costings this morning, so understand things
 9 better than I did. His report is based on
 10 a great deal of prototyping work that has been
 11 done over the last few months -- of the order of
 12 100 man days. That work looked at a number of
 13 options, and has homed in on the one that gave
 14 the best improvements -- along the lines you
 15 mention in your first point.
 16 "The report should go into [Post Office]
 17 next week. It'll then be up to them whether or
 18 not they want to pay us to do the work. If they
 19 decide to go ahead, we're looking at a likely
 20 delivery date of first calendar quarter in 2007.
 21 That would give around 2 years of useful life
 22 before being overtaken by HNG-X.
 23 "I understand your frustration at having to
 24 deal with irate postmasters and having to tell
 25 them that the system is working to its spec. We

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1 can only hope that POL do agree to funding this
 2 work, so that you then have something positive
 3 to say.
 4 "I can't see much point 2nd and 3rd line
 5 support doing further investigation, when we now
 6 know what needs to be done to make a substantial
 7 improvement. Please say, Gareth, if you
 8 disagree."
 9 I should say that Mr Jenkins was copied into
 10 that email. Were you content with that
 11 response?
 12 **A.** Yes, I think so, I think it looked, you know, at
 13 least something was happening.
 14 **Q.** To your knowledge, did the Post Office ever pay
 15 for the improvements that were proposed or did
 16 they instead wait until Horizon Online was
 17 rolled out?
 18 **A.** No, something did change and it did improve.
 19 **Q.** When was that?
 20 **A.** I can't remember.
 21 **Q.** Can you remember the nature of the improvement?
 22 **A.** No. I almost certainly would have looked to
 23 see -- you know, to make sure that it really had
 24 made a significant difference.
 25 **Q.** Sorry, can you say that last answer again?
 97

1 all the EPOSS transactions were harvested along
 2 with others to go to Post Office.
 3 In this case, for some reason it's trying to
 4 harvest a message for EPOSS, and I can only see
 5 this top bit so far, but the message written on
 6 the counter presumably does not have the mode
 7 field which should have been included in it.
 8 **Q.** Because it was blank?
 9 **A.** That appears to be the case from all I can see
 10 so far.
 11 **Q.** Yes, and then if we scroll down, please, you
 12 make an entry at the foot of the page on the
 13 same day. The ticket having been assigned to
 14 you. Your entry of 27 March at 16.12.36:
 15 "I have repaired the problem transaction and
 16 will check tomorrow that it has been sent okay.
 17 "As far as I can tell, no call has gone to
 18 development about this. To summarise,
 19 "Some messages get written with a null Mode
 20 attribute. The root cause of this has never
 21 been resolved.
 22 "Changes have been made to the harvester
 23 agents so that the messages with [then you put
 24 a character string] can be [installed] when Mode
 25 is missing ...

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1 I was distracted.
 2 **A.** I am sure that when the change did go in, and
 3 I can't remember when that was, I would have had
 4 a look to see if it had improved the time it was
 5 taking for some of these worst-affected
 6 postmasters.
 7 **Q.** Can we look at a different issue but on the same
 8 topic of improvements in the system, and look at
 9 POL00001265.
 10 You'll see that this is a PEAK dated --
 11 you'll see the opening line of the PEAK under
 12 "Progress Narrative" of 27 March 2006.
 13 You'll see under the summary two lines
 14 above, what the summary of it is, namely,
 15 a "Harvester Exception". Can you explain in
 16 brief terms what a harvester exception is,
 17 please?
 18 **A.** Right. So the transactions are written to the
 19 message store on the counter from where they
 20 replicate to the message stores at the
 21 correspondence servers. Overnight, processes
 22 run to harvest transactions so they can be sent
 23 on to various sources. So, for example, all the
 24 bill payments would have to go off to the
 25 various companies whose bills are being paid;
 98

1 "MailsBalance messages have [and then you
 2 put some more character strings]. This was
 3 spotted soon after their introduction in
 4 January, and I did intend to raise a PEAK, but
 5 don't seem to have done so. At the time it was
 6 thought to be benign.
 7 "MailsBalance messages with missing Mode are
 8 now causing number of missing harvester
 9 exceptions (5 on the reports for 24/3)."
 10 What does that mean, for 24 March?
 11 **A.** 24 March, yes.
 12 **Q.** "Each has to be repaired individually.
 13 "So we need to sort out the [character
 14 string] issue. This could be fixed at either
 15 the agent, or in the Mails scripts. If it can
 16 be fixed fairly soon in the scripts, I think
 17 that will be the better option rather than
 18 making the agent cope with what is basically
 19 a typo.
 20 "There are example messages in the attached
 21 reports, or I can provide a messagestore if
 22 required. Routing to Mails [development team,
 23 essentially]."
 24 Yes?
 25 **A.** Mm-hm.

100

1 Q. Then in the next messages, if we scroll down,
 2 I'm not going to go through them in the
 3 interests of time, no need to read them, we can
 4 see that your suggestion about the investigation
 5 of the root cause was not taken up and
 6 a decision was taken not to do that because it
 7 wouldn't be cost effective, given the limited
 8 shelf life of the Horizon counter application?
 9 A. Mm-hm.
 10 Q. Can we see your response to that on page 3 of
 11 the document, please. At 13.54.33, that's it,
 12 third up, "Response noted". You say:
 13 "I never really expected the root cause to
 14 be investigated or fixed. The typo which caused
 15 the agent circumvention to fail was fixed a long
 16 time ago. Closing call."
 17 A. Mm-hm.
 18 Q. You had earlier suggested that the root cause be
 19 investigated and fixed.
 20 A. No, I think I had said just change where it was
 21 application mails, just make sure --
 22 Q. Do you want to just go back up to that at page 1
 23 the last few lines?
 24 A. Yeah, sorry.
 25 Q. Page 1, scroll down. Thank you.

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1 Q. Was that known within Fujitsu, that there was
 2 a problem in the design of the system as
 3 a whole, in that relevant information was not
 4 being passed up to the SSC?
 5 A. I don't know. Um ...
 6 Q. Well, you've identified this as a problem.
 7 A. Mm.
 8 Q. Was that problem discussed amongst your team,
 9 raised with your manager and then escalated
 10 within Fujitsu and then within the Post Office?
 11 A. Not to my knowledge.
 12 Q. Why not?
 13 A. But it --
 14 Q. If this was a problem in the system that meant
 15 that the scale of any identified defect was not
 16 known, why wasn't that addressed?
 17 A. I don't know.
 18 Q. It would be relevant --
 19 A. There would be other ways of finding out that
 20 information. I mean, it would depend very much
 21 on the type of problem but we're not talking
 22 here about things that would have a -- well, we
 23 shouldn't be talking about things that would
 24 have a significant effect on individual
 25 branches.

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1 A. No, I said we need to sort out the applications
 2 mails issue. That wasn't the root cause. The
 3 root cause was the null mode attribute.
 4 Q. So the message you wrote at the end "I never
 5 really expected the root cause to be
 6 investigated or fixed" --
 7 A. Yeah, that's the messages with the null mode
 8 attribute.
 9 Q. I see. So, in essence, you're saying here that
 10 what you expected to be done was done; is that
 11 right?
 12 A. Yes, yeah.
 13 Q. Thank you. That can come down.
 14 In your witness statement, paragraph 17,
 15 there's no need to turn it up, you say that the
 16 SSC and fourth line support development did not
 17 always know how many branches had reported
 18 a particular problem because the tickets
 19 reporting that problem hadn't been sent through
 20 to the SSC. Yes?
 21 A. Yeah.
 22 Q. Was that a problem?
 23 A. Um, it was if we didn't therefore have an idea
 24 of the scale of a problem or how many branches
 25 were being affected.

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1 Q. How would you --
 2 A. But I think it was just understood that, you
 3 know, this was the process, was that first and
 4 second line are meant to filter out known
 5 errors. That is why they are there. If you're
 6 saying "Well, first and second line need to send
 7 everything through anyway", then you can almost
 8 say what's the point of having them?
 9 Q. Would you agree, though, that with the benefit
 10 of hindsight, this is a problem or a defect
 11 within the system?
 12 A. I think there are -- there were certainly some
 13 areas where it would have been a lot better if
 14 SSC or somebody had had more of an insight into
 15 how particular problems were affecting the
 16 entire estate.
 17 Q. I mean, that's a key issue, is it not, for both
 18 the Post Office and Fujitsu: a person has
 19 identified a problem, to what extent has that
 20 problem in the past afflicted the estate or to
 21 what extent is it currently afflicting the Post
 22 Office estate?
 23 A. Yes, but there are other ways of finding out
 24 that information besides having calls passed
 25 through for every time it's reported. I mean

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1 you could argue that then you're dependent on
2 the postmaster actually noticing and reporting
3 the problem and we'd also have other means of
4 seeing how often a specific problem had occurred
5 by, for example, checking the events for the
6 whole estate over a certain period of time. It
7 would just depend what the signature of the
8 problem was. In many cases, we would be able to
9 see where else had been affected.

10 **Q.** Was that habitually done, that when a problem --
11 when a ticket came in, you would adopt that
12 approach of checking the message store for the
13 entirety of the estate?

14 **A.** Not when a ticket came in but when an underlying
15 problem had been identified, then certainly,
16 later on in the life of Horizon and, in
17 particular, HNG-X, yes, that was done very
18 rigorously. But I cannot say that that was done
19 the whole time --

20 **Q.** When you say later on -- I'm sorry I spoke over
21 you. When you say "later on", what do you mean?

22 **A.** Certainly from the introduction of HNG-X,
23 I think we got a lot better at tracking down
24 every instance of problems without the
25 postmaster having to report it to us.

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1 **Q.** What do you mean by what sort of impact --

2 **A.** Well, if it was affecting branch accounts in
3 some way.

4 **Q.** If it was affecting branch accounts in some
5 way --

6 **A.** Then --

7 **Q.** -- then would you habitually do --

8 **A.** Then you would --

9 **Q.** Hold on. Would you do an estate-wide check to
10 see whether other branches' accounts had been
11 afflicted by the problem identified?

12 **A.** You might well attempt to.

13 **Q.** What would determine whether you might well?

14 **A.** Whether there was some clear-cut way of
15 identifying these branches that --

16 **Q.** Was there a clear-cut way of identifying --

17 **A.** It would depend on the problem. You can't
18 generalise.

19 **Q.** Would you escalate issues where you think this
20 is a significant issue that might afflict other
21 branches or some other branches?

22 **A.** Again, I think that was something we -- that
23 happened more subsequently -- with HNG-X
24 onwards.

25 **Q.** You addressed this, if we can look at it,

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1 **Q.** Why wasn't this done before the introduction of
2 Horizon Online in 2010?

3 **A.** I think in some cases it was done but perhaps
4 not so rigorously and I don't know why not.

5 **Q.** Well, can you help, please? What determined
6 whether before 2010 you would say, "Well, I've
7 got a problem here, it's on this ticket. I need
8 to make a decision on whether to check the
9 extent to which this problem is afflicting other
10 parts of the estate"?

11 **A.** It would, again, partly depend on what type of
12 a problem it was, how easy it was to do the sort
13 of checks. Um --

14 **Q.** Were there any rules on this? Anything written
15 down?

16 **A.** No, I don't believe so.

17 **Q.** Was it down to individual discretion of the 25
18 of you?

19 **A.** Yes, or probably more down to that. But,
20 I mean, a problem of any scale, it's unlikely
21 that it's just one person ends up looking at it
22 anyway, so you wouldn't -- it wouldn't be sort
23 of one in 25. But -- and it would depend on
24 obviously on what sort of a problem was and what
25 sort of impact it was having.

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1 please, in paragraph 53 of your witness
2 statement, which is on page 17. You say in the
3 first sentence:

4 "I am asked whether Fujitsu took proactive
5 steps to identify bugs and/or discrepancies in
6 branch accounts caused by the same."

7 Then reading on four or five lines you say:

8 "If a bug was found to be affecting branch
9 accounts which had not caused a reconciliation
10 report entry, we would do our best to identify
11 all branches affected, as we did for Bug 3.
12 However, I cannot say that this was done
13 consistently for all bugs ever found, especially
14 in the early days of the project."

15 So my question is why was it not done
16 consistently for all bugs?

17 **A.** Yes, I think perhaps we -- I don't know.

18 I can't answer that question.

19 **Q.** To what extent was there liaison with the Post
20 Office when identifying whether there should be
21 an estate-wide search for the extent of
22 a problem?

23 **A.** Um, again, I know that a lot of the problems
24 that happened, HNG-X onwards, there was liaison
25 with them and discussion as to how to do these

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1 searches and who should be undertaking them.

2 Q. What about the decade before then?

3 A. Um, I think one reason I'm finding it so hard to
4 remember is that I've seen very little -- very
5 few PEAKs and things from that period, sort of
6 2007 to 2010 in particular. So I -- really, I'm

7 finding it very, very hard to remember, you
8 know. I can't turn around and say, "Oh, yes, we
9 did this, this and this", because my memory
10 hasn't really been jogged by specific instances.

11 Q. How did you interact with the MSU in this
12 situation?

13 A. Er --

14 Q. Did you highlight this kind of situation to them
15 so that they could let all branches know to be
16 on the lookout for a known problem?

17 A. Um, that wasn't really MSU's role. That was
18 very much a branch-by-branch basis.

19 Q. Was there any liaison with the Post Office
20 about -- I'm talking about pre-2010, here --
21 notification of the discovery of a bug and to
22 look out for symptoms or signs of its existence?

23 A. I'm sure there were some but I've not seen any
24 specific examples in the last six months.

25 Q. You say in paragraph 212 of your witness
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1 emerging, we did try to make sure those problems
2 were progressed.

3 Q. Can we look at an example, please, of where you
4 suggested, I think, that others take a wider
5 look at the system. FUJ00086490, thank you. If
6 we expand it. We're going to come back to this
7 PEAK in due course when we look at Bug 10, the
8 data tree field -- sorry, the data tree build
9 failure. I just want to look at it now to
10 explore couple of issues with you, just on the
11 back of this PEAK.

12 You'll see that the summary of the problem
13 is discrepancies when declaring euros or cash.
14 Can you see that? It's the sixth line in.
15 Thank you.

16 We can see, if we scroll down a little bit
17 that it was raised on 18 May 2007, under the
18 first entry on the progress narrative. Then if
19 we can look at page 3 of this PEAK, please, and
20 the entry at 10.45.06 on 24 May made by you, and
21 you say:

22 "This branch reports they have been having
23 problems since March 2006 ..."

24 Remembering we're now in May 2007:

25 "... where they do declarations, do further
111

1 statement, if we go to that, please, it's right
2 at the end on page 63:

3 "A point of frustration with the system, was
4 that the users, namely the subpostmasters, were
5 not our clients and there was a practically
6 limit as to the extent to which we could work
7 together with them to investigate problems."

8 Are you, by this, suggesting each problem
9 that was called in by a subpostmaster was
10 treated separately and that as a result, there
11 wasn't any oversight of any wider system issues?

12 A. No, I think what I was trying to say there was
13 that, you know, there were cases where you just
14 wished you had some way of knowing what had
15 happened at the branch, and could -- and there
16 was some way of getting some more information.

17 Q. Did you, in the first ten years of the project,
18 take the view that tickets were sent in, were
19 addressed piecemeal, one by one, problems were
20 patched up, and there was no analysis of whether
21 the issues the fundamental issues raised by the
22 tickets needed to be addressed coherently
23 through any redevelopment or redesign?

24 A. Um, no, I think there was -- there certainly was
25 analysis done and, where we saw patterns
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1 transactions (usually transfers or rems),
2 redeclare and then get a discrepancy equal to
3 the value of the recent transactions.

4 "Two recent examples (all times UTC).

5 "Wednesday 16th May: 2000 euros transferred
6 out at 14.23 then reported as a discrepancy
7 during trial balance at 15.54.

8 "Monday 21st May: 8 cash transactions
9 totalling £2,465 between 9.35 and 10.16, ignored
10 when cash declared subsequently at 10.20.

11 "The problems are always in stock unit MS,
12 which is an individual stock unit (hence a
13 variance check is run automatically after a cash
14 declaration). Almost always using the gateway
15 for this stock unit.

16 "These types of errors are not that unusual
17 these days (I would say much less rare than
18 a couple of years ago?) We usually quote [then
19 you give a KEL] -- I think the outcome of those
20 investigations was that the Riposte message port
21 was possibly sometimes failing.

22 "However, given that this problem is not
23 uncommon at this branch, and also that [another
24 PEAK] found a problem within Horizon that gave
25 very similar consequences, I think this might be
112

1 worth a recheck. I appreciate that with
2 [Horizon Online] coming up, it may not be worth
3 pursuing this, but this problem is causing
4 a number of postmasters to have serious doubts
5 about the reliability of their systems since
6 they are very displaying incorrect figures."

7 If we also look at your entry on page 4 at
8 11.16.12, just at the foot of the page there,
9 thank you. So we're three months on now.
10 Sorry, two months on now.

11 "This problem is continuing to affect
12 a number of branches, especially larger ones
13 where they have individual stock units and
14 commonly where they have transferred out cash
15 (which then appears as if it is still in the
16 stock unit -- hence they think there is
17 something wrong with the transfer mechanism).
18 The [postmasters] are not all happy that the
19 system is giving them incorrect figures, causing
20 much confusion and potentially creating
21 opportunities for fraud."

22 So in this PEAK, we see how a multi-branch
23 issue involving discrepancies was suggested to
24 be brought together for a proper fix by you; is
25 that right?

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1 keep a weather eye out to see whether there was
2 a big problem or not?

3 **A.** Yes, I think that's probably true.

4 **Q.** Would you accept that that rather patchwork
5 approach, dependent on 25 individuals not each
6 knowing what the other is doing, not each
7 knowing what the other is seeing, may leave
8 frailties in the system?

9 **A.** It could do, although I would say -- I mean,
10 I wasn't just looking at the calls that I had
11 dealt with. I would have been -- have noticed
12 that some of my colleagues had also had similar
13 calls, and in fact we would have discussed it
14 together. But the process that we were meant to
15 follow was to, you know, you passed the call
16 over to Development, and then it is their
17 responsibility to produce a fix at some point in
18 the future.

19 I mean, there were teams, or there were
20 people who would see which calls were with
21 Development sort of potentially in the pipeline
22 and so on. But yes, them actually having --
23 anybody having the knowledge of something like
24 this, where it was a continuing, potentially
25 serious, problem, that information was not

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1 **A.** Yes.

2 **Q.** But would this be right: that was as a result of
3 your essentially anecdotal experience of
4 an increasing number of calls of a similar
5 nature?

6 **A.** Yes, I was probably keeping an eye out for these
7 type of calls.

8 **Q.** You kept an eye out --

9 **A.** Mm.

10 **Q.** -- for these calls, and some branches had
11 experienced a continuing problem for a number of
12 years and various workarounds were employed?

13 **A.** Yes.

14 **Q.** But, ultimately, the suggestion of a fix was
15 essentially *ad hoc* by you, wasn't it?

16 **A.** I'm not sure what you mean.

17 **Q.** I mean that it was just you keeping a weather
18 eye out for whether this was a problem that was
19 affecting consistently a number of branches
20 rather than the system that Fujitsu employed
21 itself detecting whether this was a consistent
22 and ongoing problem?

23 **A.** Yes.

24 **Q.** Was that essentially the approach adopted in the
25 SSC? It was down to you, as an individual, to

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1 necessarily being fed in.

2 **MR BEER:** Thank you very much, Mrs Chambers.

3 If that's an appropriate moment for you,
4 sir, I would suggest that we break until 2.00.

5 **SIR WYN WILLIAMS:** Well, to give everybody their
6 full hour, 2.05, Mr Beer, provided the time on
7 my machine in front of me is accurate at 13.03.

8 **MR BEER:** I've got 12.59.

9 **SIR WYN WILLIAMS:** Really? Oh. It just shows how
10 reliable this system is. Fine. Let's
11 compromise: 2.02.

12 **MR BEER:** Thank you very much, sir.

13 **(1.00 pm)**

(The Short Adjournment)

15 **(2.00 pm)**

16 **MR BEER:** Thank you, sir. Mrs Chambers, can we
17 continue to examine in general terms how tickets
18 were processed in the SSC focusing in particular
19 on the extent to which it was a part of the
20 system to identify the extent to which an error,
21 bug or a defect afflicted other parts of the
22 estate.

23 Can we start by looking, please, at
24 FUJ00082274. This is a KEL titled "Multiple
25 cash declarations may cause incorrect figures in

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1 Discrepancy, Variance and Balance Reports". It
2 was raised, you'll see, by Mark Scardifield on
3 15 July 2005, and was last updated by you on
4 27 November 2007.

5 If we look at the symptoms, please, thank
6 you:

7 "A cash declaration was made in 'Stock
8 Balancing' for the amount displayed on the
9 Snapshot. When the Cash Variance was checked
10 afterwards a Gain of £45.05 was displayed [then
11 a string of characters]. May get [postmasters]
12 calling in to state that they've been declaring
13 cash but they have been getting varying
14 discrepancies reported even though they've been
15 declaring the same amount of cash each time. Or
16 that they have done a transfer but are then
17 getting a discrepancy equal to the amount of the
18 transfer, or that the system hasn't transferred
19 the cash out of the stock unit."

20 In terms of the "Problem":

21 "The underlying problem is that we cache the
22 current trading position for a Stock Unit and
23 rely on a mechanism (in Riposte) to notify us of
24 new transactions across the outlet to keep this
25 cache up to date. When this fails it affects

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1 would they need to recognise the error and
2 reconcile it, whether by making a transaction
3 correction or getting a transaction correction,
4 or otherwise?

5 **A.** Yes, it would depend at what point they noticed
6 that something was wrong. In the cases that I
7 can remember seeing, including the call that we
8 looked at this morning, the postmaster was very
9 aware that these problems -- that the figures
10 were wrong and phoned in to complain and was
11 advised to reboot, and so on, to avoid it. So,
12 in that case, he or she didn't take any extra
13 action, except doing a reboot and then when they
14 started again the figures were all correct.

15 **Q.** The solution is given as:

16 "The Declare Cash problem clears itself
17 overnight. If the [postmaster] logs a call on
18 the day as having problems, ask him to try the
19 following workaround. The clerk should log out
20 of the affected counter. Another clerk attached
21 to a different (individual, not shared) stock
22 unit should log into the same counter, declare
23 cash for his own stock unit, then log out. The
24 first clerk can now log in to the same counter
25 and declare cash again. The variance should be

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1 Discrepancy, Variance and Balance Reports and
2 has the effect of presenting the clerk with the
3 incorrect information. This will be potentially
4 confusing and may lead to the clerk making
5 unnecessary corrections. These will in turn
6 show up as future inconsistencies (eg nothing
7 gets lost in the end)."

8 Is this right, that this is identifying
9 another problem with the Riposte system?

10 **A.** Yes, I think the underlying error was thought to
11 be in Riposte itself.

12 **Q.** Is it identifying a known problem with Riposte?

13 **A.** It's identifying a problem in Riposte. I'm
14 not -- it's known, in that it's now been
15 documented.

16 **Q.** I see. So it's recording that some figures
17 might be wrong, which might lead a subpostmaster
18 or a clerk to make updating changes, which would
19 then create a problem when the figures were
20 corrected?

21 **A.** If they did -- if they were to make those
22 changes, then yes, they would then have to undo
23 those extra changes.

24 **Q.** So in order to ensure no losses, if the
25 postmaster made the unnecessary corrections,

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1 correctly recalculated. Alternatively log on to
2 a different counter and do the cash declaration
3 there. If the workaround is not successful or
4 the problem does not clear itself overnight,
5 send a call to the SSC, otherwise no call is
6 needed. November 2007: a fix is being piloted
7 and is likely to be sent to the whole estate in
8 January."

9 Presumably that will be January 2008?

10 **A.** Yeah.

11 **Q.** So that fix appears to be planned to be sent out
12 in January 2008 for a problem that was
13 identified in July 2005?

14 **A.** I think the problem in 2005, the one that was
15 found during testing, it's not -- I can't tell
16 if it was exactly the same problem that then
17 persisted. I don't recall -- well, from what
18 I've seen on the various bits of information
19 that -- documents that I've reviewed about this
20 problem, it looks as if it started happening in
21 Live, or at least was noticed more in Live,
22 sometime in 2006.

23 **Q.** But still a year and a half, two years?

24 **A.** It's still a very long time, yeah.

25 **Q.** Can you explain was that normal, it would take

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1 a year and a half, two years, for something to
 2 work its way through the system for a fix?
 3 **A.** That was unusual, it depends so much on the sort
 4 of what problem it is. I mean, if it's a very
 5 contained problem, easy to reproduce, "We know
 6 if we do ABC, this is going to happen", then
 7 those sort of problems are usually relatively
 8 easy to fix and to test and to get the fix out
 9 into Live. This was not such a straightforward
 10 problem. I'm not sure if anybody ever actually
 11 managed to replicate it. We didn't have
 12 a sequence of events that would make it happen,
 13 and so, in the end, the fix, I believe, was
 14 quite a large one, which involved sort of
 15 redesigning and rewriting an area of code to
 16 sort of completely change the way it worked, and
 17 so, obviously, that's both a bigger job to do,
 18 and then it has to go through a full test cycle
 19 and because it's -- something like that could
 20 have -- is more likely to have knock-on effects
 21 than something which is very self-contained.
 22 **Q.** At the foot of the page under "Evidence" the KEL
 23 says:
 24 "If there is any pattern of failure, eg it
 25 is occurring on the same counter repeatedly, can

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1 **A.** I don't know. I don't know who put that on
 2 there.
 3 **Q.** -- obtain the audit book?
 4 Can you think of a reason why one would only
 5 obtain the audit log if there was a pattern of
 6 failure?
 7 **A.** No. I think you'd probably obtain it anyway
 8 but, as I said, I'm afraid until this moment
 9 I had totally forgotten its existence.
 10 **Q.** Can we look at a PEAK, please, POL00028746.
 11 This is a PEAK 0103864 raised, you'll see under
 12 the "Progress Narrative", on 3 June 2004, after
 13 a subpostmaster reported problems with
 14 transfers. You can see that four lines in:
 15 "Summary: [postmaster] reports that he had
 16 a problem with some transfers."
 17 Yes? Can you see that?
 18 **A.** Yes, sorry.
 19 **Q.** Thank you. Was the problem on this, recorded by
 20 this PEAK, a discrepancy arising after transfers
 21 which were being replicated twice?
 22 **A.** Yes, they -- you should only -- this --
 23 a transfer is when you're moving cash or stock
 24 from one stock unit to another, and you should
 25 only have been allowed, for one transfer out,

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1 the audit log ... be recovered of this occurs
 2 please?"
 3 **A.** That's obviously the counter log that I had
 4 forgotten about. I had a feeling that there
 5 might have been another one and that must be it.
 6 **Q.** Would that log not routinely be obtained where
 7 there was a concern over a system failure raised
 8 like this?
 9 **A.** Yes, it probably was, because I think that's
 10 probably the one that had some diagnostics and
 11 things written to it.
 12 **Q.** That's what I was going to ask. What is the
 13 audit log being referred to there?
 14 **A.** As I said, I think that must be the file, and
 15 there was -- probably looking at that, I'm not
 16 sure if that was a day of the week, so there
 17 would only have been seven of them or if that
 18 would have been a date in there, but it wouldn't
 19 be something that persisted for very long.
 20 **Q.** Why would the audit log only be of interest in
 21 if there was a repeated failure?
 22 **A.** Um, I think it's because then -- no, it probably
 23 would have been of interest anyway.
 24 **Q.** Why does it say, if there's a pattern of
 25 failure --

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1 just to do the transfer in the one time. If,
 2 for some reason -- and there were various
 3 underlying reasons why it might be possible --
 4 you could do the same, accept it in twice, then
 5 you would have a discrepancy and also a receipts
 6 and payments mismatch.
 7 **Q.** If we look at the foot of the page, please, at
 8 the entry for the 3 June at 11.25, about 10, 12
 9 lines up from the bottom, thank you:
 10 "Information: [postmaster] reports that the
 11 transaction log shows only one transfer out for
 12 each item but the transfers in show so that each
 13 transaction has been accepted into the BB ..."
 14 **A.** That would be the name of the stock unit.
 15 **Q.** "... twice and this has caused him a discrepancy
 16 and he would like this investigated. This call
 17 was passed to HSH from Tier two at the NBSC and
 18 they have also requested that the problem be
 19 investigated."
 20 Then if we see what happened, if we go over
 21 the page, please, and look at the foot of the
 22 page at -- if we go down a bit please. 10.19.14
 23 on 8 June, passed, I think, to your colleague
 24 Catherine Obeng, yes?
 25 **A.** Mm-hm.

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1 Q. "All nodes were connected at the time that the
2 transfer in [transactions] were attempted.
3 "No session transfers took place that day.
4 "Event log from node 4 suggests that Riposte
5 replication had not been successful and so while
6 node 3 had successfully TI the [transactions],
7 this information was not apparent to node 4 thus
8 it was perceived by node 4 that those
9 [transactions] were outstanding waiting to be
10 TI. Therefore when the user ... was logged on
11 to node 4, he was presented with Outstanding
12 Transfer message which had to be accepted or
13 declined. The user chose to accept them even
14 though he tells me that at this stage he was
15 a little concerned because he was certain that
16 [the other user] had already transacted on
17 node 3. This has created a discrepancy on their
18 Cash Account of £22,290.00. Also the host has
19 reported a reconciliation error ... for
20 £44,580.00."

21 A. Yeah.

22 Q. So, essentially, reading this, was this
23 a software error which had then been compounded
24 by an action taken by the subpostmaster in the
25 face of an apparent error?

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1 "As far as the system is concerned, there
2 seems to be a flaw in Riposte informing
3 Counter 4 that the transfer object [a number of
4 stock unit BB is given] has been raised. This
5 is an Escher Riposte problem as far as I am
6 concerned, the transfer mechanism already has
7 a belt and basis approach. If we can't trust
8 the underlying software to replicate this
9 information through to all other counters, what
10 are we supposed to be able to do? If someone
11 wants to press for a fix, I suggest this is
12 pointed at the Escher team for them to sort
13 out."

14 The question there -- and I realise this
15 isn't you writing it -- "if someone wants to
16 press for a fix", why might that even be
17 an issue, whether you would press for a fix or
18 not? A substantial sum of money, by way of
19 discrepancy here, drawn to the attention of
20 Fujitsu by the subpostmasters themselves, what
21 would be the reasons for not pressing for a fix?

22 A. Whether it could be worked out in precisely what
23 circumstances this error had occurred,
24 I suppose. I mean, these transfers were
25 happening successfully at many branches at many

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1 A. Um, that looks like the likely reason.

2 Q. A significant sum of money was involved --

3 A. Yes.

4 Q. -- by way of discrepancy?

5 A. Yes, and it did show up on one of our automatic
6 reconciliation reports so, even if the
7 postmaster hadn't realised what had happened, we
8 would have been investigating it anyway.

9 Q. How complete was the coverage of that automated
10 system?

11 A. Certainly anything that showed up -- I mean,
12 yes, all entries on the major reconciliation
13 reports would have calls raising for them and
14 SSC would have looked at each one.

15 Q. We can see if we go to page 4, please, that
16 two-thirds of the way down, at an entry for
17 15.11.29, Martin McConnell says:

18 "Attached will be a spreadsheet and a set of
19 transactions that I think are responsible for
20 the error. The spreadsheet is ALL transactions
21 that account to Stock Unit BB and I have
22 presented at data view for the discrepancies
23 committed. I do not even know if I am expected
24 to be doing a summary inspection nevertheless
25 the attached give a 'view' as stated.

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1 times, so I agree there's investigation needed
2 to try to find out why this particular one
3 didn't work. Could we see if Catherine said
4 anything else before she passed it over to
5 development? Let's go up a little bit.

6 Q. Let's go up to page 3. Then scroll down.

7 A. Right, so maybe there isn't. I'm sorry, I can't
8 see the whole picture.

9 Q. If we zoom out, please, then it becomes too
10 small. If you zoom in and just go to the entry
11 starting 8 June at 14.45.45, thank you.

12 A. I just wondered if there had been any other
13 information, any events or anything that gave
14 any more of a clue as to why the problem had
15 occurred, but I can't see anything else that's
16 been recorded on there. So yes, I mean,
17 obviously, you'll think you want this problem
18 fixed but, if you can't reproduce the problem or
19 get any closer to the circumstances which has
20 caused it, it's not necessarily going to be
21 fixable.

22 Q. So what, it's an error that just stays on the
23 system?

24 A. If it's something that has happened this one
25 time and we cannot see any reason for it, then

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1 possibly, yes.

2 **Q.** What about if it was for a smaller sum of money,
3 for £100, and the subpostmaster was told before
4 it got to the SSC, "You just need to make that
5 up, that £100"?

6 **A.** No, anything like that, because -- as well as it
7 being reported by the branch, it would also have
8 been on the reconciliation reports, and we
9 looked at those regardless of the amount of
10 money --

11 **Q.** There was --

12 **A.** -- because it is --

13 **Q.** I'm sorry.

14 **A.** No, because it is indicating, yes, there is
15 a fault in the system.

16 **Q.** Can we go on, please, to page 5, and look at the
17 second, third entry on the page, also from your
18 colleague Catherine Obeng at 16.30.17:
19 "Martin McConnell's recommendation is to put
20 the £22,290.00 which is adrift into the Suspense
21 Account."
22 Was money adrift at this point? Is that the
23 right way to describe it?

24 **A.** Well, it's a loss that the branch should not
25 have been liable for.

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1 a BIMS report, which would be sent to the Post
2 Office financial people and then they could
3 raise the error notice.

4 **Q.** "BIMS" being a Business Incident Management
5 report?

6 **A.** Could well be.

7 **Q.** That was the acronym used, I think, at the time?

8 **A.** Right, I couldn't remember what it stood for.

9 **Q.** Okay. So here we are at 11 June with the SSC
10 telling other parts of Fujitsu to tell the Post
11 Office to contact the subpostmaster to inform
12 him of this incident. Did the NBSC have access
13 to this PEAK?

14 **A.** The postmaster already knew about the incident
15 because he had raised the call in the first
16 place.

17 **Q.** Yes. Sorry, to inform POL of this incident:
18 "... please notify the NBSC to contact the
19 [postmaster] and advise him of this course of
20 action."
21 Did the NBSC have access to this PEAK so
22 that they could say to the subpostmaster "Don't
23 worry, it's not you, there's a bug"?

24 **A.** I don't know, and I don't know what the second
25 or first line support, who would have notified

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1 **Q.** "I am routing call [says Ms Obeng] to MSU to
2 raise an Error Notice to inform POL of this
3 incident. Also please notify NBSC to contact
4 the [postmaster] and advise him of this course
5 of action."
6 So we're now, I think, on 11 June, the
7 incident having arisen on 3 June.

8 **A.** Yeah.

9 **Q.** So somebody was to contact the NBSC -- the MSU
10 were?

11 **A.** Um, the first or second line support would
12 probably be expected to contact NBSC.

13 **Q.** Then NBSC have got to contact the subpostmaster
14 themselves?

15 **A.** That's what it says here, yes.

16 **Q.** How would NBSC communicate accurately what had
17 been established on the previous five pages of
18 this document?

19 **A.** I don't know. It's not made terribly clear
20 there that, you know, this was system error, but
21 that we had informed Post Office and that the
22 branch should expect an error notice in -- at
23 some point. There is an error there in that it
24 says calls routed to MSU to raise an error
25 notice. MSU couldn't do that, they would raise

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1 the NBSC, would have passed through to the
2 postmaster.

3 **Q.** Then if we scroll down, please, to 22 June,
4 15.36.46:
5 "The Call record has been transferred to the
6 team: MSU ..."
7 Yes?

8 **A.** Yes.

9 **Q.** Then if we look at the entry immediately below
10 from Michael King:
11 "Reconciliation data provided to POL.
12 Routing back to EDSC, does this need to be
13 routed to Escher for a fix?"
14 From this record, can you see whether any
15 action had been taken to progress any fix by
16 Fujitsu with Escher?

17 **A.** Not at that point because that's Michael King in
18 MSU who had informed Post Office via a BIMS and
19 now he's routing the call back to EDSC, which is
20 SSC.

21 **Q.** Then if we scroll down to 11:59:27 on 23 June,
22 where Ms Obeng comments:
23 "Problem could have been avoided if the
24 [postmaster] had not accepted the second TI.
25 The Riposte Error events were apparent on SMC's

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1 Tivoli Website, however, they took no action
2 until the [postmaster] raised the call about the
3 dodgy Transfers. In future, SMC would need to
4 monitor these events and contact the office
5 requesting that they avoid using the eventing
6 Node and reboot it. [A KEL has now been]
7 updated with info on what action SMC should take
8 if event occurs during [Post Office] business
9 hours."

10 **A.** Right. Belatedly, I now have the information
11 that there were Riposte error events which were
12 occurring. That wasn't mentioned earlier in the
13 PEAK, which it very usefully could have been
14 done, so I think this is Bug 2 in the list of
15 bugs --

16 **Q.** Which we're going to come to in more detail
17 later today or tomorrow?

18 **A.** -- which we'll come to in more detail. But that
19 explains why the replication didn't happen and
20 what the cause of this particular problem was.

21 **Q.** But this bug appears to have been picked up by
22 reason of a call from the subpostmaster --

23 **A.** Yes.

24 **Q.** -- not by Fujitsu's reconciliation process?

25 **A.** Oh, there would have been separate calls for
133

1 So it seems like either the subpostmaster or
2 an auditor in the branch is chasing now on the
3 6 July.

4 **A.** Yes, what was the previous date?

5 **Q.** Well, the call was opened on 3 June.

6 **A.** Right, yeah.

7 **Q.** The previous entry by Ms Obeng was 11 June and
8 then 23 June.

9 **A.** Yeah. So it sounds as if nothing has been
10 resolved as far as the postmaster is concerned,
11 and now there is an auditor on site.

12 **Q.** Then the entry below, at 11.20.40:

13 "... spoke with auditor John, advised third
14 line are going to look at the call and call
15 back. Advised that I will call them back as
16 soon as I can."

17 Yes?

18 **A.** Yes.

19 **Q.** Then I think later that day, at 11.44 is the
20 first time that you become involved?

21 **A.** The first time that my name has appeared on
22 here, certainly.

23 **Q.** Yes. You say:

24 "I've checked with Mike King, the BIMS
25 report for this problem was sent to [the Post
135

1 those as well but they haven't been linked on
2 here. But it does say further up in the call
3 that the branches appeared on I think at least
4 three of the reports.

5 **Q.** It appears to be accepted that there's a problem
6 with Riposte failing appropriately to pick up
7 the transactions. We've seen so far the
8 possibility of a fix by Escher has been raised.
9 Here, Ms Obeng is suggesting that this could
10 have all been avoided if the postmaster hadn't
11 accepted the second transaction?

12 **A.** That is strictly true but unhelpful, in that the
13 postmaster was prompted to accept it, and did
14 so. So I certainly would not say it was in any
15 way his fault. Because it was not.

16 **Q.** Can we go on to page 6, please, and look at the
17 entry for 11.17.09, "customer call"?

18 "Repeat call: auditor for [Post Office] site
19 had called in to see what is happening with
20 call.

21 "Advised I will call back, ringing through
22 to SSC Barbara to find out what's happening ...

23 "Spoke with Barbara [and] SSC advised
24 Catherine is on leave and she will try and get
25 someone to look at call and call me back."
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1 Office] on [22 June] and should have resulted in
2 an error notice being sent to the branch. Mike
3 says he'll send a note to [the Post Office]
4 saying that the [postmaster] has been chasing
5 this issue; I've asked HSH to inform the
6 [postmaster] that they should have received an
7 error notice and to check with the department
8 that issues them.

9 "The corrected cash account that was sent
10 still had [a receipts and payments] mismatch.
11 The double Transfer In causes the mismatch both
12 because of the transfer and because of the
13 discrepancy which has been erroneously
14 generated. The host-calculated CA" --

15 **A.** Cash Account.

16 **Q.** -- "ignores the transfer but is still affected
17 by the accepted discrepancy which should not
18 have been generated. It has not really been
19 possible to provide fully balance CA (email on
20 this subject sent by Mik Peach to Richard
21 Brunskill then on to John Moran, I have not seen
22 the outcome of this)."

23 So you say that a BIMS notice was sent in
24 fact way back on 22 June --

25 **A.** Yes.
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1 Q. -- and should have been sent to the branch?
 2 A. Should have resulted in an error notice being
 3 sent to the branch.
 4 Q. Yes. Did you speak to the auditor at all?
 5 A. It doesn't look like it, no.
 6 Q. Can you see from this whether anyone spoke to
 7 the auditor?
 8 A. Um, the helpdesk were asked to inform the
 9 postmaster but I don't think we ever had a phone
 10 number for the auditor or I certainly didn't
 11 have a phone number for the auditor, and HSH had
 12 been the ones speaking to him.
 13 Q. If we can go on to 12 July, please. Thank you.
 14 If we look at the last entry for 12 July, the
 15 one timed at 12.56.23:
 16 "An add has been sent to PinICL [and then
 17 number is given]. Tina NBSC confirms there is
 18 an outstanding error notice but she could not
 19 get exact details -- she will call Paul
 20 Whittaker, the investigation officer on [and
 21 then a number is given]."
 22 So it appears that by 12 July
 23 an investigations manager is now involved.
 24 A. Um, it's -- it looks like it from what's
 25 recorded there.

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1 beginning of August, you're quite right.
 2 A. Yes, and I think, as far as we were concerned,
 3 we had informed Post Office and the ball was
 4 then in their court to produce an error notice
 5 to sort out the impact on the branch, but that
 6 obviously wasn't -- presumably wasn't known
 7 clearly what had happened by all the people who
 8 then were involved in a branch investigation.
 9 Q. Was that a feature of your work: that there were
 10 balls being passed between sides of the court,
 11 between -- with one side of the court being
 12 Fujitsu and the other side of the court being
 13 the Post Office, and you would bat it over to
 14 the other side of the court?
 15 A. I wouldn't put it in those terms but I think we
 16 felt, when we had done our side of the
 17 investigation and notified Post Office of this,
 18 and I -- then it was up to them, really, to
 19 produce the error notice and resolve the
 20 implications.
 21 Q. Would you agree that a fair reading of these
 22 exchanges is that the only reason this was
 23 bottomed out was due, firstly, to the
 24 subpostmaster continuing to complain and,
 25 secondly, in fact, due to your intervention?

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1 Q. That appears to be as a result of the call
 2 earlier in the day, if you just look at the top
 3 of the page we're looking at, at 11.58.56:
 4 "Investigation manager Paul Whittaker wants
 5 to confirm that an error notice is being sent
 6 out for the discrepancy at the [Post Office]",
 7 and then the call was transferred to the NBSC.
 8 A. Yes, because error notices were not visible in
 9 any way to Fujitsu.
 10 Q. Then I think we've no need to look at it, on
 11 5 August it's confirmed that an error notice has
 12 indeed been issued?
 13 A. Yes.
 14 Q. Taking a step back, would this be right, and
 15 realising that you had transient involvement in
 16 the middle of this process, that a period of
 17 time between 3 June and 5 August, some three
 18 months, appears to show the subpostmaster having
 19 an auditor and an investigator in his branch at
 20 the same time that there was an identified
 21 system problem which caused the discrepancy, not
 22 him.
 23 A. Yes, it does look like that, except it's only
 24 two months, but I agree with what you're saying.
 25 Q. Yes, you're quite right. Beginning of June to

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1 A. The information had been sent to Post Office
 2 saying that "This branch has made a loss as
 3 a result of this problem, which now -- which
 4 they shouldn't be liable for". That was done
 5 well before my involvement. But whether Post
 6 Office -- I don't recall that we got any --
 7 well, it doesn't look as if we got anything back
 8 from Post Office themselves saying "We don't
 9 understand this, what should we do about it", or
 10 whatever. So I can't explain the delay in it
 11 being resolved after 22 June.
 12 Q. Was there a system in place to ensure that if
 13 a discrepancy was identified as being caused by
 14 a systems error, that everyone on both sides of
 15 the court was aware of it as soon as possible,
 16 and that no action was taken against the
 17 subpostmaster, so that he wouldn't, as in this
 18 example, end up with having an auditor and
 19 an investigator in his branch?
 20 A. No, I think once we had felt we had done our
 21 side of things, then we wouldn't find out what
 22 had happened between Post Office and the branch.
 23 Q. Thank you. That can come down. Can we turn to
 24 paragraph 20 of your witness statement, please,
 25 where you address the issue of communication

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1 with subpostmasters.

2 Paragraph 20 is on page 5. You say you were
3 asked to consider whether the system was
4 adequate to manage active service tickets. You
5 say:

6 "I did not consider that the system impeded
7 our work but I am asked specifically as to
8 whether I think there were potential changes
9 which would have improved the systems. The
10 problem I would identify was that the system
11 assumed only one person or team needed to be
12 actively working on the PEAK ticket at any one
13 time whereas this was not always the case. If
14 the postmaster who raised the service ticket
15 telephoned for an update, HSD might put that
16 request on the PowerHelp ... system which they
17 operated and that might not get copied to the
18 PEAK, depending on which option was chosen,
19 which might not be noticed by the developer or
20 tester who owned the call at that moment, who
21 would not expect to give an update to
22 a postmaster."

23 Before we explore exactly what you mean
24 there, can you remind us of what the PowerHelp
25 system was?

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1 what it's called, but I think I've seen a PEAK
2 where we specifically say, "Make sure you" --
3 sorry, I've seen a KEL or something where we
4 specifically say, "If you have to -- if you get
5 any more information, use this particular way of
6 doing it".

7 **Q.** So this problem that you describe there may lead
8 to left hand not knowing what the right hand is
9 doing?

10 **A.** Yes, it can do or information just not being
11 passed through to the people who are probably
12 being expected to give an answer.

13 **Q.** In paragraph 21, you refer to another problem
14 with the PEAK system. You say that:

15 "... if a problem had a financial impact,
16 then it was necessary to inform the Post Office
17 (often via the MSU team), whilst separately, it
18 was necessary to look for the root cause(s),
19 which might involve passing the problem to the
20 Development team for consideration of a code
21 fix, and also to check whether any other
22 branches had been or might be affected by the
23 same problem. That might result in two or more
24 people trying to work on the same PEAK."

25 **A.** Yes.

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1 **A.** PowerHelp was the first and second line desk's
2 call logging system.

3 **Q.** So it was operated and viewable by only lines 1
4 and 2; is that right?

5 **A.** SSC could see the PowerHelp calls, as well.

6 **Q.** Did you habitually look at what was on
7 PowerHelp?

8 **A.** Quite often, yes.

9 **Q.** You say:

10 "If the postmaster who raised the service
11 ticket telephoned for an update, HSD might put
12 that request on the PowerHelp ... system and [it
13 might or might not] get copied to the PEAK ..."

14 Was there not an instruction to put that
15 request on PowerHelp and to copy it onto the
16 PEAK?

17 **A.** Yes, the way it worked, I can't now remember the
18 precise wording but, if they added an update on
19 to PowerHelp, one sort of update automatically
20 got copied to PEAK and the other sort didn't,
21 and the helpdesk didn't always use the right
22 category.

23 **Q.** Was anything done about that?

24 **A.** I think we used to remind them quite frequently
25 to use OTI update or something, I can't remember

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1 **Q.** What was the difficulty caused by two or more
2 people working or trying to work on the same
3 PEAK?

4 **A.** I suppose, basically, you were meant to be
5 working on the PEAKs that were allocated to you
6 and, if it was allocated to somebody else, then
7 it wasn't allocated to you. I think we saw, in
8 that previous call that we've just looked at,
9 Catherine passed the call over to Development
10 for their comments, so Martin McConnell did some
11 work on it, and it was only after he had then,
12 I think, passed it back that she passed it then
13 to MSU for them to notify Post Office of the
14 problem.

15 Now, what I've -- I might well have passed
16 it to MSU first or, as I go on to say in the
17 next paragraph, to clone it so you could send
18 one call to MSU to pursue the rectification of
19 the deficit, the discrepancy that shouldn't have
20 occurred, and then the second call can go on to
21 Development at the same time, so they can start
22 investigating the root cause.

23 **Q.** Further on this issue of passing things back to
24 the Post Office and then down to the
25 subpostmaster, can we look please at

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1 paragraph 42(iv), which is on page 12 of your
 2 witness statement.
 3 If you scroll down, thank you.
 4 This is the part of your statement where
 5 you're describing the teams that were working in
 6 this area and you say:
 7 "... MSU monitored Reconciliation Reports
 8 generated by the system each day", et cetera.
 9 Then the next sentence:
 10 "MSU raised PEAKs so SSC could investigate
 11 cause and impact of every entry on the
 12 Reconciliation Reports."
 13 Then you say:
 14 "My understanding is that MSU informed
 15 a team in Post Office of any such errors which
 16 potentially had a financial impact on a branch
 17 via a BIM report and that it was up to the Post
 18 Office to notify the branch and make any
 19 necessary correction."
 20 That's essentially what you said a moment
 21 ago.
 22 **A.** Yes.
 23 **Q.** How was it possible to determine whether
 24 a problem had a financial impact or not?
 25 **A.** Um, by us investigating what had happened, and,
 145

1 **Q.** Did the Post Office inform you about the action
 2 that they had taken when they were notified of
 3 a problem that had a financial impact on
 4 a subpostmaster?
 5 **A.** No.
 6 **Q.** Did you know whether they therefore told them
 7 it's a system error, don't worry", or in fact
 8 they held them responsible for it?
 9 **A.** No.
 10 **Q.** Why was there no record back to Fujitsu saying
 11 what had happened?
 12 **A.** Because that was not in the process, as far as
 13 I'm aware.
 14 **Q.** Do you know why it wasn't in the process?
 15 **A.** No.
 16 **Q.** At this time -- certainly between October 2000
 17 and mid-2010 -- were you aware that the Post
 18 Office was relying on the Horizon System to
 19 produce data to prosecute subpostmasters?
 20 **A.** I was aware that there were a small number of
 21 prosecutions.
 22 **Q.** More broadly, if we look, please, at
 23 paragraph 53 of your witness statement, you
 24 address a range of situations in which the Post
 25 Office would have been informed in relation to
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1 you know, whether it did actually affect the
 2 branch figures in any way.
 3 **Q.** So you could tell for certain, one way or
 4 another, whether a problem had a financial
 5 impact on a subpostmaster or not?
 6 **A.** Yes, I think we could. Because, you know, if
 7 the system had ended up producing figures that
 8 it would not have produced if the problem hadn't
 9 occurred, then it's -- there could well be
 10 a financial impact.
 11 **Q.** Why was it necessary to inform the Post Office
 12 of those problems, where a financial impact had
 13 occurred?
 14 **A.** So that the branch would not be held liable for
 15 that.
 16 **Q.** Was it the case that if a problem didn't have or
 17 was judged to not have a financial impact, that
 18 the Post Office were not informed of it?
 19 **A.** They wouldn't be informed via that route, no.
 20 **Q.** What different route would be used? What
 21 different route was used?
 22 **A.** Something that -- a different sort of a problem
 23 that had perhaps affected a lot of the estate
 24 would probably be notified to Post Office
 25 through the problem managers.
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1 the operation of Horizon. So that's page 17,
 2 please. You say:
 3 "I am asked whether Fujitsu took proactive
 4 steps to identify bugs and/or discrepancies in
 5 branch accounts caused by the same. The
 6 automatic cross-checks made and reported on the
 7 TPS, APS and banking reconciliation reports
 8 highlighted inconsistencies which might indicate
 9 a bug. These were always investigated, and MSU
 10 informed Post Office via a BIM report if the bug
 11 had affected the branch accounts, or accounts
 12 with other third parties."
 13 In paragraph 66, which is on page 21, this
 14 is in the middle of dealing with Bug 1, the
 15 receipts and payments mismatch bug. At the
 16 second line in paragraph 66, you say:
 17 "Post Office would have been informed of
 18 each instance, I am not sure whether this was
 19 via a BIM report or some other route. Fujitsu
 20 would not have contacted branches directly
 21 unless the branch had raised a call in the first
 22 place."
 23 In paragraph 149, please. When dealing with
 24 the counter replacement bug, that's page 44, at
 25 paragraph 149, five lines from the bottom, you
 148

1 say:
 2 "Post Office would have been sent a BIMS
 3 report if there was a lasting financial impact
 4 for a particular branch but I do not know
 5 whether it was ever flagged as an ongoing
 6 problem."
 7 Were you personally involved in creating the
 8 BIMS reports?
 9 **A.** No, but, as I think I say somewhere, I did at
 10 some point find out that MSU were tending to
 11 copy and paste whatever we put in the PEAK and
 12 put that onto the BIMS report. So, indirectly,
 13 yes, the words I was using were probably being
 14 passed on.
 15 **Q.** So you knew that what you were saying might end
 16 up in a BIMS report?
 17 **A.** At some point I became aware of that and I can't
 18 remember when.
 19 **Q.** So you didn't create the report?
 20 **A.** No.
 21 **Q.** But you provided information which you knew --
 22 **A.** Yes.
 23 **Q.** -- might be used --
 24 **A.** Yes.
 25 **Q.** -- in the creation of a report?

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1 **A.** I don't know.
 2 **Q.** Were they IT professionals?
 3 **A.** I -- not particularly, I don't think.
 4 **Q.** Were they more in the nature of administrators?
 5 **A.** I would have said so, yes, but I had no formal
 6 involvement with them. I did spend some time
 7 with them, trying to help them understand, in
 8 particular, the way that the system was working
 9 to produce the reports, and also the flow of
 10 banking messages between the Horizon System and
 11 the banks and various other parties involved,
 12 which were all part of the massive amount of
 13 reconciliation that was done for every single
 14 banking transaction, and that was -- I did do
 15 a fair bit of trying to explain that to them
 16 because then it just helped them understand what
 17 some of the different numbers on the reports
 18 meant for those entries.
 19 **Q.** But the SSC was staffed with IT professionals?
 20 **A.** Yes.
 21 **Q.** You were conducting detailed investigations --
 22 **A.** Yes.
 23 **Q.** -- on occasions into bugs, errors and defects?
 24 **A.** Yes, anything over the entire very complicated
 25 Horizon infrastructure.

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1 **A.** Yes.
 2 **Q.** What do you know about the process by which BIMS
 3 reports were created and then communicated to
 4 the Post Office? How did that happen?
 5 **A.** That was the job of the MSU staff and I don't
 6 know any more than that.
 7 **Q.** Was there a process in place to ensure that
 8 certain types of information were always
 9 reported to the Post Office?
 10 **A.** I don't know.
 11 **Q.** Where was the MSU sat within Fujitsu? Where was
 12 it based?
 13 **A.** I think they were on the fifth floor at one
 14 point. I think by the time I left, they'd been
 15 sort of subsumed into SSC but -- or at least sat
 16 on the same floor as us.
 17 **Q.** But take the period before the advent of Horizon
 18 Online, so up to 2010. Were they essentially
 19 a separate thing?
 20 **A.** They were a separate unit and, at some points,
 21 it was only sort of one or two members of staff,
 22 as well.
 23 **Q.** What was their training, do you know?
 24 **A.** Their training?
 25 **Q.** Training and expertise?

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1 **Q.** The principal method of transfer of that
 2 information, as a result of the investigation,
 3 was in a BIMS?
 4 **A.** Yes, going back to the specific accounting type
 5 problems, yes, that -- the information about any
 6 impact on a branch was through a BIMS report.
 7 **Q.** What system was there for ensuring that the
 8 right information was passed back to the Post
 9 Office?
 10 **A.** I don't know. This was all part of the
 11 responsibility of MSU and presumably the
 12 management of MSU and the teams that were
 13 working together and I was never a part of that.
 14 **Q.** Going back to paragraph 22 of your witness
 15 statement on page 6, please. In the third line,
 16 you say:
 17 "Looking back I can see that basing the
 18 whole process around a single PEAK (arising from
 19 an incident) per problem was not good and it is
 20 likely that there is a methodology in existence
 21 somewhere for handling this type of situation
 22 better."
 23 Firstly, what did you mean that the system
 24 was that the whole process was handled around
 25 a single PEAK?

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1 **A.** Well, if you've -- a PEAK comes in, yes, it's
 2 a new system problem, we identify where it is,
 3 we send it off to Development do something with
 4 it. So, strictly speaking, at that point it's
 5 off my desk. I don't need to do any more about
 6 it. But that is not always sensible, because
 7 it's not picking up on further occurrences, it's
 8 not making sure we've got the fullest picture of
 9 it, and I just felt it would have been better if
 10 it was at that point logged as a problem, and
 11 then, if you get more occurrences, you would,
 12 you know, link the PEAKs to it so you do have
 13 that view of what it's affecting.

14 And then, you know, you might have to have
 15 several actions coming off that problem for who
 16 is meant to be doing stuff to fix it, pick up
 17 the pieces, inform Post Office, and all the
 18 rest. But that was my personal view.

19 **Q.** Was that your view held at the time?

20 **A.** It's certainly a view I came to while I was
 21 still working, yes.

22 **Q.** Did you tell anyone about it?

23 **A.** Yes.

24 **Q.** Who did you tell?

25 **A.** I'm pretty certain I had a conversation with Mik

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1 investigated by Development or for it to go to
 2 MSU for -- to sort out the financial
 3 consequences. So you -- to that extent, you did
 4 need to pass them on in the right direction at
 5 the appropriate moment.

6 **Q.** How might that, in your view, have improved the
 7 position of subpostmasters in relation to the
 8 problems with the system that were afflicting
 9 them?

10 **A.** You mean, if we'd been able to -- if we had --
 11 so can we go back a step?

12 **Q.** Yes.

13 **A.** Sorry, what --

14 **Q.** The methodology that you described of an issue
 15 being raised, an examination being undertaken to
 16 see the extent to which the problem afflicted
 17 other parts of the system and results of that
 18 investigation drawn together in a single place?

19 **A.** I think it would have made sure -- been easier
 20 to make sure, perhaps, that Post Office, at
 21 least, were always more aware of some of these
 22 problems that were having an effect at a number
 23 of branches. How much it would actually have
 24 helped the individual postmasters, I don't know.

25 **Q.** In paragraph 42(ii) of your statement, which is

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1 Peach about it. But I can't be certain.

2 **Q.** What was the response?

3 **A.** Nothing, no positive outcome.

4 **Q.** What does that mean, no positive outcome?

5 **A.** Um, I sort of got the impression that, "Oh,
 6 well, you know, this is the way we work, this is
 7 how we're doing it".

8 **Q.** One might get the impression that there was
 9 a series of hermetically sealed cells within
 10 Fujitsu, the principal aim of which was to get
 11 a service ticket off their desk, and then those
 12 hermetically sealed cells were themselves rather
 13 sealed from the Post Office client. Would that
 14 be fair?

15 **A.** I would say to some extent that's fair. I would
 16 also say that I personally tried to break down
 17 some of those seals a bit, and I think it wasn't
 18 just me doing that, and I don't think it's, you
 19 know, it wasn't just a matter of passing
 20 something on because we didn't want to be
 21 holding it any more, it was passing it on
 22 because that's where it's got to go next
 23 because, you know, you don't want to be sitting
 24 on a PEAK while, you know, if the next -- if
 25 it's important, obviously, that it's

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1 on page 11, you described, if we scroll down,
 2 please, the Horizon Support Desk.

3 Many of the subpostmasters who gave evidence
 4 to us in Phase 1 of the Inquiry said that they
 5 believed that the staff in the Horizon Helpdesk
 6 were using call scripts, ie that they appeared
 7 to be reading something out, some text out, some
 8 printed text. Did you ever see such printed
 9 scripts?

10 **A.** I can't remember. I think for some issues
 11 where, you know -- because they also handled
 12 calls about printer problems, the screen not
 13 coming on and all that sort of thing, they may
 14 have had printed scripts for some of that.

15 I did spend a few days once in the Helpdesk
 16 office in Stevenage but I cannot remember if
 17 I saw anything actually printed out like that.

18 **Q.** Do you know who -- whether they were printed
 19 scripts or scripts on a screen --

20 **A.** I don't know.

21 **Q.** -- was responsible for the creation of them?

22 **A.** I don't know. I have no memory of ever being
 23 involved in the creation of anything like that
 24 myself.

25 **Q.** Have you got any memory of anyone else in the

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1 SSC being involved in the creation --

2 **A.** No.

3 **Q.** -- of call scripts?

4 **A.** No.

5 **Q.** In the paragraph above, when you're dealing with

6 the NBSC, you say in the last line:

7 "NBSC had no direct interface with SSC, and

8 the two teams had no access to each other's call

9 logging systems."

10 **A.** Yes.

11 **Q.** Why did you have no access to the NBSC call

12 logs?

13 **A.** I presume because they were part of a completely

14 separate organisation, because they were run by

15 Post Office.

16 **Q.** Would it have been beneficial for you to have

17 had access to the actual logs to see what

18 subpostmasters were actually saying?

19 **A.** Um, occasionally, at times, it might have been

20 but, in fact, they usually had to give the same

21 information to the Horizon Support Desk, so --

22 but there might have been occasions where it was

23 useful to know what else a branch had been

24 talking about recently. But that might -- there

25 might also have been a lot of business issues

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1 **Q.** What do you understand ARQ data to refer to?

2 **A.** ARQ data was all the messages written on the

3 branch counters, as they replicated to the data

4 centre, were also streamed off into a large

5 series of very, very large files, which were

6 then, end of each day, can't quite remember, but

7 in some way sort of securely locked and then

8 could only be accessed again through the special

9 audit systems.

10 If an audit extract was requested by Post

11 Office, they would have to say the branch that

12 they wanted and the date range, and the standard

13 information, I think, that POL got, Post Office

14 got for one of these enquiries was -- well, it

15 was two spreadsheets, it ended up as, and one

16 was the transaction data messages and the other

17 was the Riposte event messages.

18 So they would be, I think, all in date order

19 or it may still have been in the date as

20 received at the data centre. So it was a subset

21 of the whole lot but it was all the transaction

22 data. It was also possible to get an unfiltered

23 set, which would be all these messages in their

24 entirety, and I --

25 **Q.** Did you say all messages?

159

1 that were nothing to do with -- nothing to do

2 even directly with Horizon, I'd have thought.

3 **Q.** Before the break, can we address ARP data,

4 please. If we turn, please, to page 16 of your

5 witness statement and paragraph 51, you say:

6 "... when it came to branch problems, we

7 could only work on the basis of what was

8 recorded on the system and any extra information

9 which the postmaster or clerk could provide. We

10 could not see what had physically occurred in

11 the branch; whether for example, there was

12 an inputting error that was not evident from the

13 person of Riposte messages. Sometimes that

14 meant we could not provide an answer to explain

15 the discrepancy because none of the forms of

16 evidence available to us gave any indication

17 that there were no inconsistencies in the

18 figures recorded and calculated by Horizon. In

19 those circumstances we would have to record that

20 we could not find any evidence of a systems

21 error."

22 **A.** Yes.

23 **Q.** We have heard described in the Inquiry a species

24 of audit data called ARQ data?

25 **A.** Yes.

158

1 **A.** All messages, yeah. I'm talking here about

2 Legacy Horizon, it was very slightly different

3 for HNG-X.

4 **Q.** So transaction data messages, Riposte messages

5 and also possible to get an unfiltered set of

6 all messages?

7 **A.** Yes, transaction data, Riposte events, that's

8 log on/log off, those sort of things. But it

9 was possible to have the unfiltered set.

10 **Q.** It's been suggested by some witnesses that the

11 ARQ data equated to data that recorded every

12 keystroke made by a subpostmaster in branch?

13 **A.** That was never captured.

14 **Q.** Simplifying matters, was it therefore the data

15 when a subpostmaster committed what they had

16 done to the stack, essentially?

17 **A.** Yes, because the messages got written to the

18 message store, the transaction messages were

19 written to the message store when the basket was

20 settled.

21 **Q.** Where was that data stored?

22 **A.** At what point? Do you mean the ARQ data?

23 **Q.** Yes, the ARQ data?

24 **A.** On secure servers somewhere.

25 **Q.** Do you know where?

160

1 A. No.
 2 Q. For how long was it stored?
 3 A. I don't know, because that was never my
 4 responsibility. But it was lots of years.
 5 Q. You say in this paragraph here, you couldn't see
 6 what had happened in branch, whether there was
 7 an error inputting that wasn't evident from
 8 a pattern of Riposte messages --
 9 A. Yeah.
 10 Q. -- and therefore you were left with no evidence
 11 of a systems error.
 12 A. Yeah.
 13 Q. In those circumstances, couldn't you use the ARQ
 14 data?
 15 A. No, because the ARQ data -- well, I'm not saying
 16 here that we couldn't see what had happened in
 17 the branch. We could see from the message
 18 stores that we looked at the transactions
 19 messages being committed, and so on, and we
 20 could also see the extra messages that gave us
 21 some extra clues as to what had been going on
 22 sometimes. But the ARQ data was just that, that
 23 same data that's stored in a different place.
 24 Q. It wouldn't have shown you anything more at all?
 25 A. No.

161

1 charge me for it or suggested that I should be
 2 charged for it.
 3 Q. In what circumstances would you therefore obtain
 4 ARQ data?
 5 A. If, for some reason, I was specifically asked to
 6 go and look at something that had happened some
 7 time -- a long time ago. I can't now, except
 8 for one instance, remember doing it as -- it
 9 certainly wasn't something that was done as
 10 a matter of course, because normally, if
 11 something had happened a very long time ago, we
 12 wouldn't -- probably wouldn't be expecting to
 13 investigate it.
 14 Q. The one incident you can remember, is that
 15 because there may have been others that you've
 16 forgotten or it's likely that, in your 16 years,
 17 you only had cause to access ARQ data once?
 18 A. I have a feeling it was more than once, but
 19 I can't -- it was possibly in relation to
 20 prosecutions, and so on, or some investigation
 21 that somebody wanted doing, but I cannot now
 22 remember much by way of detail.
 23 Q. Why would you access that data, rather than the
 24 data that you would habitually use in the case
 25 of a prosecution?

163

1 Q. So is that why you didn't obtain such data, ARQ
 2 data, when investigating what I'll call the
 3 simple or common or garden PEAK?
 4 A. Yeah, there was no -- we felt there was no need
 5 to go to the ARQ data because we had the same
 6 information that we could get out of the message
 7 store on the correspondence servers.
 8 Q. So your view was that there was nothing
 9 additional in the ARQ data --
 10 A. No.
 11 Q. -- than the data that you had access to would
 12 have shown you?
 13 A. It was exactly the same data.
 14 Q. Was there a cost to obtaining the ARQ data?
 15 A. Um, I believe it was something that Post Office
 16 were charged for or they had a certain number
 17 that they could ask for in a year. But, above
 18 that, they had to pay.
 19 Q. Did that have any effect on the extent to which
 20 ARQ data was obtained?
 21 A. Not as far as I was concerned. If I was
 22 investigating something that had happened a very
 23 long time ago and I needed to look at that old
 24 data, then I would ask for it and would get it.
 25 And I don't recall that anybody ever tried to

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1 A. Because it had -- well, that would be -- for
 2 anything that had happened more than a month,
 3 five weeks ago, you would have to go -- you
 4 wouldn't have any other sources of data, except
 5 the ARQ data.
 6 Q. It was the only place you could find it?
 7 A. Yes.
 8 MR BEER: Thank you. On that note, sir, might that
 9 be a convenient moment?
 10 SIR WYN WILLIAMS: Yes.
 11 MR BEER: It's 3.10 now, I think.
 12 SIR WYN WILLIAMS: So 10 minutes or 15? Which do
 13 you think?
 14 MR BEER: Knowing where I am in my notes, ten
 15 minutes, please.
 16 SIR WYN WILLIAMS: Fine.
 17 MR BEER: Thank you.
 18 SIR WYN WILLIAMS: Ten minutes, that's 3.20 then, is
 19 it, Mr Beer?
 20 MR BEER: Yes, thank you.
 21 (3.10 pm)
 22 (A short break)
 23 (3.21 pm)
 24 MR BEER: Thank you, sir.
 25 Can I turn to the tenth topic under this

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1 heading then, which is attributing a problem to
 2 user error and doing so as a default option.
 3 The Inquiry, Mrs Chambers, has heard some
 4 evidence on the default use of user error within
 5 Fujitsu in the absence of any other explanation.
 6 I want to look at some materials, please,
 7 that address the question of attributing a fault
 8 to user error or a discrepancy to user error.
 9 Can we start, please, with FUJ00082302. Thank
 10 you. We can see this is "KEL acha", which
 11 I think is one of yours, Anne Chambers --
 12 **A.** Yes.
 13 **Q.** -- 1717T. It's raised by you, we can see, in
 14 the fourth line, on 30 July 2010, and closed or
 15 last updated by you on 10 February 2015. We can
 16 see from the "Symptoms" section of the KEL that:
 17 "The branch complained that they had a loss
 18 of £240 on one day. NBSC had been unable to
 19 find any reason for the discrepancy so the call
 20 was sent to Horizon to check for system errors."
 21 Then scrolling down, "Problem". You say:
 22 "A discrepancy is the difference between the
 23 cash the system thinks the branch should have,
 24 based on previous balanced figure and the
 25 transactions recorded since, and the cash

165

1 declaring cash?"
 2 Then you put a "NOTE" in, in capitals:
 3 "SSC do not accept credible calls until all
 4 information on the investigation performed by
 5 NBSC is detailed and they have advised why they
 6 believe there is a software fault.
 7 "Solution", at the foot of the page:
 8 "When responding, if they have given
 9 specific examples that you can explain, do so;
 10 otherwise make clear it is not a system problem
 11 (assuming you have checked that everything adds
 12 up). See [PEAK ending 446] for an example
 13 response which may help with the wording."
 14 So is a summary of what you're saying in
 15 this KEL to the earlier lines of support, "Do
 16 your homework, follow the proper processes
 17 before referring a discrepancy up to us in the
 18 SSC?"
 19 **A.** Yes.
 20 **Q.** It was therefore an attempt, was it, at
 21 discouraging them from, in some cases, sending
 22 cases up to the SSC?
 23 **A.** I don't think we were discouraging them but we
 24 wanted them to get as full a picture as they
 25 could of whatever information was available

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1 declared by the branch.
 2 "Possible causes:
 3 "[Postmaster] has made an incorrect
 4 declaration.
 5 "Transactions as record on the system do not
 6 match what actually happened at the branch.
 7 "Outstanding recover.
 8 "Withdrawn products.
 9 "Known system problem (these should be
 10 monitored for, or be easy to spot from events,
 11 etc)
 12 "Unknown system problem.
 13 "Solution ..."
 14 Scroll down, thank you:
 15 "Make sure NBSC have already investigated
 16 and include details of what they investigated
 17 and found on the call.
 18 "Which stock unit is affected?
 19 "Trading period/balance period?
 20 "Which day did the discrepancy occur?
 21 "How much is it?
 22 "If the discrepancy was apparent only when
 23 they balance, when, before this, were figures
 24 correct?
 25 "Do they do a nightly Variance Check after

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1 about the circumstances, which we could then use
 2 to inform our investigation.
 3 **Q.** If we go back to the bottom of page 1, under the
 4 note, you're effectively telling them "You've
 5 got to believe that there is a software fault
 6 before you refer it on to us"?
 7 **A.** We certainly felt that NBSC should help the
 8 branch to rule out any likely user errors.
 9 **Q.** Well, is the premise of my question right, that
 10 you were telling the earlier lines of support
 11 that, before referring a problem on to SSC, they
 12 should believe that there is a software fault?
 13 **A.** Well, that was what we were there to
 14 investigate, was software faults.
 15 **Q.** So it's a yes?
 16 **A.** So yes. But obviously they could not tell
 17 definitively if there was one or not.
 18 **Q.** That's what I was going to ask you. How could
 19 the HSH or the SMC identify or analyse whether
 20 there was a software fault?
 21 **A.** They weren't asked to do that. They were only
 22 asked if they believed there was a software
 23 fault and a belief is not the same as proof.
 24 **Q.** So what quantum of proof did they need, what
 25 quantum of belief did they need?

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1 A. Well, they didn't. They only needed to believe
 2 it. We wanted them to have done -- I think it
 3 was felt that we shouldn't be investigating
 4 these types of calls, given that a discrepancy
 5 is most likely to be caused by an issue at
 6 a branch. I'm certainly not saying that's the
 7 only cause but, overall, I think most branches
 8 would accept that, from time to time, they would
 9 have a discrepancy of some amount, and so we did
 10 want to make sure that the normal checks had
 11 been made before it came over to us, really as
 12 a last resort.

13 Q. Amongst the possible causes that are listed is
 14 "unknown system problem"?

15 A. Yeah.

16 Q. I think it follows that the first two lines of
 17 support would not be able to identify if there
 18 was an unknown system problem, would they?

19 A. No.

20 Q. So were you expecting them to investigate
 21 whether the discrepancy that they had been told
 22 about was the consequence of a known system
 23 fault?

24 A. We more wanted them to try to rule out
 25 discrepancies caused by business errors at the

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1 you'll get your running totals of the system
 2 cash position and you'll compare it with what
 3 the system had calculated its position was at
 4 a particular point in time. You'll compare the
 5 two, if those two weren't equal then, yes, you
 6 do have a system problem and then you've got to
 7 find out if it's a known one or an unknown one.
 8 But if the two figures are in step, the system
 9 has calculated the discrepancy correctly, then
 10 you've got to try to see which transaction or
 11 set of transactions might not be right, which is
 12 leading to the discrepancy and, if you can
 13 identify something that looks suspect, then
 14 could that have been caused by a system error?

15 And if you can't find anything looking
 16 suspect, you can't find any events, anything
 17 else indicating any sign of a system problem,
 18 then you are left with the fact that the system
 19 thinks there should be so much in the drawer,
 20 that the postmaster is saying there's
 21 a different amount in the drawer, the only
 22 reason -- the only way you're going to find why
 23 those two amounts are different is if you can
 24 identify something recorded on the system that
 25 doesn't match what actually took place at the

171

1 branch.

2 Q. By business errors, you mean?

3 A. Accounting errors at a branch. Well, not
 4 accounting errors but, you know, could they have
 5 mistyped an entry somewhere?

6 Q. Then over the page, in the instructions to,
 7 I think, the SSC --

8 A. Yes.

9 Q. -- at the foot, you say "When responding". So
 10 that's when you, SSC people are responding to
 11 the lower lines of support:
 12 "... if they [that's the lower lines of
 13 support] have given specific examples that you
 14 can explain, do so ..."

15 A. Yes.

16 Q. "... otherwise make clear it is not a system
 17 problem (assuming you have checked that
 18 everything adds up)."

19 A. Yes.

20 Q. What does that mean --

21 A. I --

22 Q. -- "make [it] clear it is not a system problem"?

23 A. Once you've checked everything and have not been
 24 able to find any sign of any system problem. So
 25 I think I explained before that, you know,

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1 branch.

2 Q. Didn't that create a default position that, in
 3 the absence of evidence of a system error being
 4 provided by the subpostmaster themselves and the
 5 absence of evidence of a problem fitting with
 6 a known existing system error, the problem would
 7 be written up as user error?

8 A. Or an unknown system error. I mean, if you've
 9 got an unknown system error, it's going to have
 10 to have left some trace somewhere in the numbers
 11 that will give you a clue as to where it is,
 12 what sort of transaction. But unless -- but
 13 there's no way that somebody investigating that
 14 problem with no knowledge of what has been
 15 carried out at the branch can say "That there
 16 doesn't match what they actually did at the
 17 branch on the day". So to that extent, yes, we
 18 were dependent on the postmaster being able to
 19 say, "Hang on, why has that there gone in for
 20 £2,500 when it was only £250?"

21 Me investigating, I'm not going to be able
 22 to know that it should have been £250 but
 23 actually it's £2,500.

24 Q. What weight was accorded to the statement by
 25 a subpostmaster who had proactively raised with

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1 the Post Office and with Fujitsu a discrepancy
 2 that he hadn't, in that example, put in the
 3 £250?
 4 **A.** So you're saying, so if he is saying "Look, it
 5 says £2,500 but I only put in £250"?
 6 **Q.** Yes.
 7 **A.** If he can say it's that line there then we would
 8 look at everything to do with that line there to
 9 see if we could see any signs of it being
 10 a system problem that had caused it.
 11 **Q.** But what if it came to him saying "No, no, no,
 12 it says £2,500 there, only £250 -- it was only
 13 £250?" Where he's the one that's proactively
 14 raised this by calling in, what weight was
 15 accorded to what he was saying?
 16 **A.** Quite a lot of weight. We wouldn't -- we
 17 wouldn't automatically say, "Oh, you must have
 18 got it wrong". But if he's then got to that
 19 point where he can identify it, then we can at
 20 least do something about the financial side of
 21 it, in that he now knows which line is wrong,
 22 and we can attempt to pass this information
 23 through to Post Office so that that line,
 24 whatever it was, could be rectified in his
 25 accounts, which, to some extent, is the

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1 "[Postmaster] has had cash declaration
 2 problem throughout year and is losing a lot
 3 every now and again.
 4 "He phone up Helpline told him can't of
 5 *[sic]* declared properly."
 6 I think that means he phoned the helpline
 7 who told him that he can't have declared
 8 properly.
 9 **A.** Yes.
 10 **Q.** "He states that he loses £2,000 then jumps
 11 suddenly to £4,000, one point they lost £8,000
 12 and is always losing money.
 13 "[Postmaster] stated he has 3 post offices,
 14 only happens at this site.
 15 "Advised [I would] get this call sent to
 16 PEAK to look for any software error."
 17 Then a little further on:
 18 "... only done cash declaration on back
 19 office counter, hasn't tried on any other
 20 counter.
 21 "done a declaration this morning and had
 22 a £6,000 loss.
 23 "It shows no error message when doing it.
 24 No report prints out, only printout of cash
 25 declaration."

175

1 important thing to be done in the short-term.
 2 Longer term, if you've had a lot of branches
 3 all reporting that precise type of problem, you
 4 would have to try to work out how come it could
 5 be wrong but, in practice, I don't recall
 6 anything specifically like that.
 7 **Q.** Can we take a look at a practical example.
 8 You'll see that this KEL mentions at the end
 9 there the PEAK ending in 446.
 10 **A.** Yes.
 11 **Q.** Can we look at that PEAK, please? It's
 12 FUJ00083493. You should see that's a PEAK
 13 ending in 446. It's dated or raised on
 14 12 November 2013 and the problem is described in
 15 the PEAK "Summary" as:
 16 "[Postmaster] doing cash declarations every
 17 now and again has major loss."
 18 Yes?
 19 **A.** Yes.
 20 **Q.** We can see from the "Progress Narrative" at the
 21 first entry, exactly the same is entered. Then
 22 if we scroll down to the foot of the page, we
 23 get a bit more detail. Do you see the entry at
 24 13.40.00? It's about halfway down this page.
 25 Yes, that one. Thank you:

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1 Then if we go over to page 2, please, and
 2 look at the entry about five or six lines in at
 3 14.01.00, thank you:
 4 "Voiced [I think that made a voice call to]
 5 NBSC [quoting a reference] to see what checks
 6 they have done themselves before transferring
 7 call to Horizon.
 8 "They stated they had trainers come into the
 9 office and ruled out user error."
 10 I just ask you to remember that line,
 11 please.
 12 Then on the same page, at 14.57.05, so
 13 that's -- yes, in the middle of the page now:
 14 "NBSC called in for a message for Rob.
 15 "NBSC states that user error checks were
 16 carried out by auditors at the site and not over
 17 the phone.
 18 "Advised I would update the call."
 19 I'd ask you to remember that message too.
 20 Then we come to your entry, same day, at
 21 15.50.04, and you say:
 22 "When the variance is checked following
 23 a cash declaration, the system compares the
 24 declared amount against the expected amount
 25 (ie the opening cash figure for the period

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1 adjusted by all cash movements since then).
 2 "I have checked the system figures ... in
 3 the declared figures for stock unit AA since the
 4 rollover on 7 November and can confirm that all
 5 the variants reported since then have been
 6 calculated correctly. There are no known issues
 7 that would result in the variance being
 8 incorrect.

9 "For example, on 7 November, the opening
 10 cash figure rollover was £60,125.

11 "£22,300 was remmed in.

12 "£6,500 was transferred out.

13 "Single SC transaction for £11,183.60 in.

14 "So at this point there should be £87,038.60
 15 in the drawer.

16 "Cash declared at 15.29: £81,580
 17 ie £5,528.60 short (though the variance wasn't
 18 checked at this point).

19 "I can't tell why the declared cash doesn't
 20 match the expected figure, the branch need to
 21 make sure that what they have recorded on the
 22 system is correct, and investigate the
 23 anomalies.

24 "Please pass this back to NBSC."

25 Yes?

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1 Q. So how --

2 A. I --

3 Q. -- please -- was the subpostmaster going to
 4 investigate the anomaly?

5 A. I don't know. I felt by giving some specific
 6 examples of a specific day, where actually very
 7 little had happened, but they were already
 8 £5,500 short apparently. If they could compare
 9 those three, four figures that I gave, perhaps
 10 they would be able to see which of those was
 11 wrong in that process, in what I could see.

12 And, although I only gave the figures from
 13 that very simple point from the beginning of
 14 November, from the beginning of the period,
 15 I had actually done this check that I've already
 16 described and, in every case where the system
 17 cash figure was calculated, it was in line with
 18 what it should have been. So it wasn't that
 19 messages were not being picked up and included
 20 in the accounts; everything seemed to be there.
 21 The branch was declaring how much cash they'd
 22 got when every time they did that, they'd got
 23 a report printed out that showed the cash
 24 declaration.

25 Something was not right. And, yes, the

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1 A. Yes. I did also cover this in my witness
 2 statement.

3 Q. Yes. Now, the final part of your conclusion
 4 there is that there were no known issues that
 5 will result in the variance being incorrect and:

6 "I can't tell why the declared cash doesn't
 7 match the expected cash ... the branch need to
 8 make sure that what they have recorded on the
 9 system is correct", and that they should
 10 investigate the anomalies.

11 A. Yes, yes.

12 Q. The NBSC had got the trainers to go physically
 13 to the branch to establish what had occurred,
 14 and, in particular, whether that was a case of
 15 user error, hadn't they?

16 A. Yes.

17 Q. That was significant information, wasn't it?

18 A. Yes, it was, and I took that on board.

19 Q. Auditors had gone to the branch for the same
 20 purpose, rather than seeking to find out what
 21 had gone wrong on the phone, hadn't they?

22 A. It appears so, yes.

23 Q. Both had come back and said, "This is not a case
 24 of user error", hadn't they?

25 A. Yes.

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1 numbers were jumping about all over the place.

2 The discrepancies were varying because they kept
 3 declaring wildly different amounts of cash.

4 Q. Was it them declaring wildly different amounts
 5 of cash or the Horizon System?

6 A. It definitely did appear to be them and I did,
 7 of course, wonder if it could be something that
 8 was wrong with the declaration mechanism but,
 9 again, they got the report printed out that
 10 showed them what the declaration was and I would
 11 have expected that if they had declared -- so
 12 they had to declare by denomination, I would
 13 have expected that they would quite easily be
 14 able to see if what was on their reports didn't
 15 match the piles of cash that they had sitting in
 16 front of them.

17 I'm not happy -- I'm not very happy with
 18 this PEAK. I don't think I handled it terribly
 19 well. I was frustrated by it and I think that
 20 shows, and I was still frustrated by it when
 21 I wrote the bit in the witness statement,
 22 because, you know, it really looked like there
 23 was a genuine problem. There was no sign of it,
 24 the figures, you know, when you added everything
 25 up, yes, the discrepancy based on what they'd

180

1 done, what they declared, the discrepancy was
2 apparently correctly calculated. Well, it was
3 correctly calculated.

4 So what was it in the data that was going
5 into these calculations that wasn't right? And
6 I couldn't see it. And, you know, when you've
7 got three transactions and, at the end of it,
8 they're out by £5,500 but you're adding up the
9 numbers. It's not a matter of my belief or not;
10 it's objective. That was what was there. So
11 something -- something definitely wasn't right
12 but couldn't see it, without being in the
13 branch.

14 **Q.** An auditor and a trainer had been in.

15 **A.** Yes, I wish I could have worked with them to try
16 to get to the bottom of this but that was not --
17 as far as I was aware, that was not an option.

18 **Q.** If we go back to page 1 at the top, please. You
19 closed this call off, top right, four lines in,
20 "Closed -- No fault in product", didn't you?

21 **A.** I couldn't find a fault in the product.

22 **Q.** Because you couldn't find one, are you therefore
23 saying this was user error by the subpostmaster?

24 **A.** Not necessarily user -- well, I didn't know what
25 it was. Perhaps I should have just put --

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1 at paragraph 183, which is on page 52, where you
2 were asked about this entry, and eight lines
3 in -- eight or ten lines -- you say:

4 "This could be user error or potentially
5 system error but could only be identified by the
6 branch."

7 Can you see that?

8 **A.** Yes.

9 **Q.** Here you seem to accept that this could be
10 a user error or a system error?

11 **A.** Potentially.

12 **Q.** Why did you write it up as no fault in the
13 product and that it was a user error?

14 **A.** Because I was rather frustrated by not -- by
15 feeling that I couldn't fully get to the bottom
16 of it. But there was no evidence for it being
17 a system error.

18 **SIR WYN WILLIAMS:** Does that mean there was no
19 evidence that you saw? What I'm trying to get
20 at is the use of the phrase "Unknown system
21 error", all right? There are two ways I could
22 take that: one is that there is evidence of
23 a system error but you can't identify the root
24 cause; the other is that there is a system
25 error, on balance of probability, but you simply

183

1 I can't remember if there was an unknown
2 category.

3 **Q.** Well, maybe look at page 3, please, top box.
4 15.50.04, entered by you:

5 "Defect cause updated to ... General --
6 User."

7 You're saying it's a user error, aren't you?

8 **A.** I'm saying I was very frustrated by it because,
9 if you like, I wanted to find a system error.

10 **Q.** That doesn't come across at all in this note,
11 does it? You've closed this off saying there's
12 no fault in the product --

13 **A.** Yes.

14 **Q.** -- the defect is the subpostmaster, haven't you?

15 **A.** That's -- that's how it comes over, yes.

16 **Q.** Well, is there a different way of reading it?

17 **A.** Um, there must be something that they could have
18 spotted at the branch to give us a clue as to
19 what was happening.

20 **Q.** In the light of what the trainers and the
21 auditors had found in the branch, how could you
22 possibly say there was no fault in the product
23 and this was a user error?

24 **A.** Because the numbers added up.

25 **Q.** Can we look at your witness statement, please,

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1 don't know what it is?

2 **A.** I felt that there was just no -- something was
3 obviously wrong, in that the branch obviously
4 were getting these discrepancies that they
5 weren't expecting, but all I could see on my
6 side was that they were apparently declaring
7 these differing amounts, and I certainly knew --
8 didn't know of any system errors that would
9 cause that to happen, or to cause -- or that
10 would take what they were declaring and not
11 record it correctly. I wasn't -- and I couldn't
12 see any signs of that happening and nobody was
13 saying, "Look, we declared this but on the
14 report it says that".

15 So I felt, on balance, there was just no
16 evidence of a system error.

17 **SIR WYN WILLIAMS:** But as I've understood the line
18 of questioning that Mr Beer has been putting to
19 you, it's not just that the subpostmaster was
20 making the error whatever that was, but the
21 auditor and the trainer were making the same
22 error; is that it or have I misunderstood it?

23 **A.** Well, yeah, I -- yes, I don't know why the --
24 I'd have thought, if the report was showing
25 something but then on the system it was recorded

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1 as a different amount, I would have expected the
2 auditor or the trainer to have spotted that.
3 Yeah, I mean, now, I feel maybe I could have
4 made steps to try to talk to the auditor or the
5 trainer and to try to talk through it a bit
6 more. But, no, I'm not happy with this one.

7 But I still stand by there being no
8 indication of a system error and the numbers
9 that they were recording just didn't make a lot
10 of sense.

11 **MR BEER:** You've been told by the PEAK itself that
12 the problem was a recurring one.

13 **A.** Yeah.

14 **Q.** It had happened throughout the year?

15 **A.** I'm not sure remembered that, but --

16 **Q.** That was in the PEAK that we looked at?

17 **A.** Yeah.

18 **Q.** Did you think how likely was it that this was
19 a persistent human counting error by the
20 subpostmaster or did you think that the very
21 report itself of a repetitious error was itself
22 suggestive of some system fault?

23 **A.** I think I thought that it just looked possibly
24 like a certain amount of carelessness. I don't
25 know. I couldn't explain it. But I also, you

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1 specifically that the numbers don't add up.

2 **Q.** We saw that this call was allocated to you at
3 2.34 pm and that you wrote it up as "Closed --
4 No fault with product, user error", at 3.50 pm.

5 **A.** Mm-hm.

6 **Q.** So assuming that you picked up the call at
7 exactly the moment it was assigned to you, you
8 spent 1 hour 14 minutes on it?

9 **A.** Mm-hm, yes.

10 **Q.** What did you do in that time?

11 **A.** I would have done more or less what it said in
12 the PEAK -- sorry, the KEL ach17170: extracted
13 the transaction data from the branch database,
14 which is what had replaced the message stores;
15 added up the cash; checked the variance
16 calculations matched the system figure at each
17 point.

18 **Q.** Over what period?

19 **A.** Since the 7 November, I think it was. The best
20 part of a week. That was the week they'd given
21 the specific examples for.

22 **Q.** What about what the subpostmaster had said in
23 the PEAK, that this has been a problem
24 throughout the year?

25 **A.** I probably didn't go back before --

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1 know, perhaps in my knowledge of the whole
2 system, couldn't understand, you know, this --
3 a problem like that just affecting one branch.
4 That's very unlikely. But that's -- that was
5 probably at the back of my mind.

6 **Q.** What checks did you make to see whether it had
7 affected any other branch?

8 **A.** I'm not aware that around this same period of
9 time any other branch had knowingly reported
10 a similar problem.

11 **Q.** I asked a different question: what checks did
12 you make to see whether it had affected any
13 other branch?

14 **A.** I don't know that I made any direct checks but
15 at that point I would have seen any calls like
16 that that were coming in to SSC.

17 **Q.** You knew by this time, 2013, that it was not
18 always possible immediately to find a fault in
19 the system, wasn't it? You knew that from your
20 past experience of system faults with Horizon?
21 Much investigatory work needs to be undertaken?

22 **A.** You can usually see evidence of a fault. You
23 might not be able to get to the root of it very
24 easily but you can usually -- if a system fault
25 has occurred, there's normally some sign of it,

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1 **Q.** I'm sorry, you probably --

2 **A.** I probably didn't check back beyond the one week
3 for which they had given sort of specific
4 examples about it varying by £2,000 and £4,000.

5 **Q.** Why not?

6 **A.** Because I wasn't sure it would give me any more
7 than showing that, you know, these -- their
8 declarations seemed to be varying so wildly.

9 **Q.** Does what you've done, as displayed by this
10 PEAK, indicate your more general approach, to
11 the effect that if you couldn't positively see
12 a system error, the default conclusion that any
13 discrepancy is the fault of the user?

14 **A.** If there's no indication at all of a system
15 error then, yes, that's the inference that you
16 draw from that.

17 **Q.** Was that the operating approach of others within
18 the SSC: unless there's positive evidence of
19 a system error, it is the subpostmaster's fault?

20 **A.** We weren't necessarily assigning blame. We were
21 saying there was no indication of a system
22 error.

23 **Q.** Writing off a PEAK, "user error".

24 **A.** In this case, yes, which I've already said
25 I probably shouldn't have done.

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- 1 Q. In the *Horizon Issues* trial, the court was given
2 evidence that between 1 January 2011 and
3 31 December 2014 the SSC received 27,005 calls,
4 meaning that, on average, there were 563 calls
5 per month.
- 6 A. Mm-hm.
- 7 Q. Does that sound about right: between 500 and 600
8 calls or tickets a month?
- 9 A. It sounds like quite a lot but it's probably
10 about right.
- 11 Q. The Inquiry has heard evidence that the SSC was
12 under pressure to close PEAKs because of the
13 pressure of work. Is that how you felt when you
14 worked in the SSC?
- 15 A. No. I mean, how many of those calls were
16 counter related?
- 17 Q. The evidence doesn't disclose that. Was there
18 any pressure at all on you to close PEAKs
19 prematurely?
- 20 A. No.
- 21 Q. In paragraphs 27 to 29 of your witness
22 statement, there's no need to turn them up at
23 the moment, you address the prioritisation of
24 tickets within the SSC.
- 25 A. Mm-hm.

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- 1 A. Um, I can't remember the details. As I said,
2 I don't think it was all calls; I thought it was
3 just a certain type of calls. And a priority
4 was probably within 24 hours to get the
5 financial side of it sorted.
- 6 Q. If a ticket wasn't given the priority that you
7 thought it needed, would you formally change the
8 priority or would you just get on with the
9 ticket?
- 10 A. It would depend where it was going. If it was
11 something that I was dealing with, I might not
12 change it, but I would still treat it as
13 I thought it needed doing.
- 14 Q. Were performance statistics kept of your team,
15 in terms of resolution?
- 16 A. You'd have to ask my manager.
- 17 Q. Were you aware, in the 16 years you worked
18 there, that performance statistics were kept?
- 19 A. No.
- 20 Q. Was there any element of performance-related pay
21 in the SSC?
- 22 A. No.
- 23 Q. Can we turn, please -- the last topic for today,
24 I think -- to remote access. I want, please, to
25 look at the nature and extent of remote access

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- 1 Q. Were there any financial implications in respect
2 of the prioritisation of tickets?
- 3 A. I was trying to remember and I think in there
4 I say, yes, there may have been something but
5 couldn't remember it. I think I've seen -- read
6 more documents since which have reminded me that
7 some types of call -- some of the reconciliation
8 calls involving sorting out where people's bank
9 accounts might be adrift or where bill payments
10 might not be going through, those had to be
11 resolved pretty quickly.
- 12 That meant making sure that the financial
13 implications were resolved, but if there was
14 a root cause that needed further investigation,
15 that would still be done after the financial
16 side of things was dealt with. So, yes, we were
17 aware some calls you couldn't leave lying around
18 for long but that didn't mean that they had to
19 be closed.
- 20 Q. We can take the witness statement down from the
21 screen. Thank you.
- 22 How quickly did the different priority
23 tickets need to be resolved before any financial
24 penalty was imposed on Fujitsu for late
25 resolution?

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- 1 within the SSC, the extent to which individual
2 branches were notified of issues that affected
3 them and who was responsible for such
4 communications.
- 5 Can we start, please, with FUJ00088036.
6 You'll see this is a document entitled "Secure
7 Support System Outline Design".
- 8 A. Yes.
- 9 Q. It's dated 2 August 2002, so about two years
10 into your tenure at the SSC?
- 11 A. Yes.
- 12 Q. At the foot of the page, you can see that one of
13 the approval authorities is Mik Peach?
- 14 A. Yes.
- 15 Q. But you're not on either the distribution, the
16 approval or the reviewer list, okay. Was this
17 the kind of document that would be filtered down
18 to you?
- 19 A. Um --
- 20 Q. Just go back to the top.
- 21 A. Yeah, I have no recollection that I ever saw it.
- 22 Q. That could be because 21 years have passed.
- 23 A. It could well be, yes.
- 24 Q. But is it the type of document that would be
25 provided to you?

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1 A. It would probably be input on our website for us
 2 to read --
 3 Q. So an intranet?
 4 A. -- which isn't the same thing -- so yes,
 5 an intranet. But, as I say, I've no idea
 6 whether I did read it at the time.
 7 Q. Can we go to page 15 of the document, please.
 8 Let's see whether what it says is correct. It's
 9 paragraph 4.3.2, "Third line and operational
 10 support":
 11 "All support access to the Horizon systems
 12 is from physically secure areas."
 13 You told us, I think so far as the SSC is
 14 concerned, that's correct?
 15 A. Yes.
 16 Q. "Individuals involved in the support process
 17 undergo more frequent security vetting checks."
 18 Were you aware that you underwent more
 19 frequent security vetting checks than some other
 20 unnamed people?
 21 A. No. I know I was vetted when I first joined,
 22 but I wasn't aware of --
 23 Q. Being re-vetted --
 24 A. -- being re-vetted.
 25 Q. -- in the 16 years afterwards?

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1 A. To the best of my knowledge, yes.
 2 Q. The paragraph continues:
 3 "The current support practices were
 4 developed on a needs must basis; third line
 5 support diagnosticians had no alternative other
 6 than to adopt the approach taken given the need
 7 to support the deployed Horizon solution."
 8 Was that your understanding of why you had
 9 been given unrestricted and unaudited privileged
 10 access to all systems? That it wasn't planned,
 11 it wasn't part of the design, it wasn't the
 12 architecture; it was reactive to events?
 13 A. I don't -- I'm not sure that I thought about it.
 14 I joined the SSC and I was shown, you know, as
 15 I said, you know, "If you need to access
 16 a counter, this is how you connect up to it",
 17 and so on. These were systems that I wasn't
 18 particularly familiar with, so I just did what
 19 I was told on the occasions when I did need to
 20 access a counter.
 21 Q. So you didn't address your mind particularly to
 22 how it had come about that you had --
 23 A. No.
 24 Q. -- such unrestricted and unaudited access to --
 25 A. No, I --

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1 A. Yes.
 2 Q. "Other than the above, controls are vested in
 3 manual procedures requiring managerial sign off
 4 controlling access to post office counters where
 5 update of data is required. Otherwise third
 6 line support has:
 7 "Unrestricted and unaudited privileged
 8 access (system admin) to all systems including
 9 post office counter PCs;
 10 "The ability to distribute diagnostic
 11 information outside of the secure environment;
 12 this information can include personal data (as
 13 defined by the Data Protection Act), business
 14 sensitive data and cryptographic key
 15 information."
 16 Is it correct that at this time, 2002, you
 17 in the SSC third line support had unrestricted
 18 access to all systems including post office
 19 counter PCs?
 20 A. If that's what it says, yes.
 21 Q. Was it your experience that that is correct?
 22 A. We had access. I didn't ever test it to find
 23 how unrestricted it was.
 24 Q. It says that such access was unaudited. Was
 25 that correct as well?

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1 Q. You just took it as given that you got it?
 2 A. Yes. I probably didn't question whether it was
 3 audited or unaudited at that point. It was
 4 something that was needed at times to do our
 5 job.
 6 Q. Can we move forwards a year then, please, to
 7 FUJ00088082. This is a document described as a
 8 "Support Guide" for the OpenSSH. Can you recall
 9 what the OpenSSH was?
 10 A. I do remember at some point the way we accessed
 11 counters, and other systems as well, changed,
 12 and SSH rings a bit of a bell. So yes, this is
 13 what we switched to.
 14 Q. So this document again is not signed off by you,
 15 reviewed by you or, on its face, distributed to
 16 you, but the process would have been something
 17 that you would have been familiar with by June
 18 2003; is that right?
 19 A. I imagine so, because we would have changed to
 20 using the method that's documented in here.
 21 Q. We can see the date on the top right of 30 June
 22 2003. If we go to page 6, please. It appears
 23 that this was an attempt to -- I'm going to call
 24 "sort out" the unprivileged -- sorry, the
 25 unaudited and unrestricted privileged access

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1 that the SSC had. Can you see in the second
2 paragraph of the introduction it says:
3 "It is necessary, for security and auditing
4 purposes, to provide a method that allows
5 datacentre and counter systems to be managed
6 interactively but for all these management
7 actions to be captured. When these actions have
8 been captured (or logged) it must be possible to
9 audit the actions. This, in turn, means the
10 logs must be in an easily understandable
11 format."

12 A. Yes.

13 Q. The report then goes on -- I'm not going to go
14 through it -- to explain the different ways the
15 system produces an audit trail for all actions
16 performed during what I'm going to call remote
17 access.

18 A. Yes.

19 Q. What was your understanding of the process that
20 had to be undertaken after the introduction of
21 this process in June 2003?

22 A. Um, I think I was aware that everything would be
23 captured and logged somewhere, but I don't
24 know -- didn't know and don't know any more
25 details than that.

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1 auditable. Any correction requiring APPSUP role
2 is to be witnessed by a second member of the
3 SSC. Both names must be recorded on the change
4 control for audit purposes."

5 A. Yes.

6 Q. This appears to describe in 2011 the so-called
7 "four eyes" approach, or "four eyes" method,
8 namely one person from the SSC logs on to the
9 counter and makes the -- I'm going to call them
10 corrections to the branch's transactions whilst
11 another person watches, doesn't it?

12 A. Yes.

13 Q. They were supposed to write a narrative account
14 of what they'd done and record the names of both
15 people, weren't they?

16 A. Um, yes. I can't remember if the second person
17 was meant to add their own name themselves, but
18 I can't remember.

19 Q. Just look under "Data corrections":

20 "Support investigation may indicate the need
21 for data correction. In this context data
22 correction is any support action that results in
23 the modification or removal of Post Office data.
24 If any correction is required then details must
25 exist in the form of a narrative on, or

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1 Q. Can we go, please, to FUJ00138355. Can you see
2 that this is a document created by your manager,
3 Steve Parker, on 8 September 2011 --

4 A. Yes.

5 Q. -- and was last updated by somebody called Adam
6 Woodley in February 2021?

7 A. Yes.

8 Q. You'll see what Mr Parker said:

9 "GDPR regulations require that access to
10 personal data remains within the European Union
11 and PCI data security standards mandate physical
12 security restrictions must be applied where
13 [data] access is allowed to user data.
14 Currently the only units which fulfil all these
15 requirements for data access are the SSC and ISD
16 Unix."

17 Do you know what ISD Unix was?

18 A. I think they were the operations team based in
19 Belfast.

20 Q. "The responsibility for data correction is
21 vested in the SSC although ISD sometimes act
22 under SSC authorisation (via the application of
23 a tested script).

24 "Corrections to live system data must be
25 authorised via Account change control and

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1 attachments to, a PEAK incident to provide
2 a clear audit trail. An approved Account change
3 control entry ... must also exist and be
4 cross-referenced from the PEAK."

5 Then "Financial Data":

6 "Changes to financial data are rarely
7 required. Where a requirement exists, such
8 changes must be made via contra journal entries
9 to maintain audit trail and the change must be
10 made using the two man rule. The 'two man rule'
11 (sometimes called the 'four eyes rule' in
12 security circles) specifies that there must be
13 two individuals that must act in concert in
14 order to perform the same action. Further, each
15 individual should have comparable knowledge and
16 skill in order to detect attempts of subversion
17 initiated by the other.

18 "Within the SSC, one member of the SSC will
19 perform the data correction whilst a second
20 member of the SSC will witness the change being
21 made. Both names must be recorded on the change
22 control for audit purposes."

23 A. Yes.

24 Q. So this process depends on people in SSC
25 depending -- or carrying out faithfully and

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1 recording what they're supposed to have done?
 2 **A.** Yes, or what they did do.
 3 **Q.** Yes.
 4 **A.** Yes.
 5 **Q.** You remember the 2003 document that we looked
 6 at. I didn't take you through its details, but
 7 do you recall that that, if it had been carried
 8 into effect, would have required that a securely
 9 managed ID user had been recorded and logged in
 10 real time against each and every action
 11 performed, rather than an after-the-event
 12 narrative description of what we had done?
 13 **A.** I'm sorry, I don't remember that document. That
 14 was the SSH, OpenSSH document?
 15 **Q.** No, it was the document that I took you at some
 16 speed through, in the interests of time.
 17 **A.** Sorry.
 18 **Q.** We can go back to it. It's FUJ00088082.
 19 **A.** Yes, the OpenSSH --
 20 **Q.** You remember that?
 21 **A.** Yes, it was the OpenSSH Support Guide.
 22 **Q.** If you turn to page 8, I'm afraid you're just
 23 going to have to read that quietly to yourself,
 24 the "Basic Procedure".
 25 **A.** That procedure is just talking about creating
 201

1 in real time against each and every action that
 2 the user then performed, yes?
 3 **A.** Yes, I think that was the case, although I can't
 4 recall -- I don't think I ever saw any of this
 5 logging. But yes, we did. But if we go back to
 6 what you were then asking me about for data
 7 changes on HNG-X, those weren't made on the
 8 counter. That wasn't -- because the data was no
 9 longer held on the counters.
 10 **Q.** So that explains the difference, does it,
 11 between what we read in Mr Parker's minute of
 12 2011 and what is described here?
 13 **A.** Possibly, yes, because I think this was -- there
 14 was a lot -- all this background logging going
 15 on, which we were really almost meant to be
 16 unaware of. And I'm not sure if it did ever get
 17 checked to see, but there was this background
 18 audit of everything done via an SSH connection.
 19 Now, I can't remember whether we -- this implies
 20 that also we used SSH for connecting to the
 21 central systems. I'm not sure now if that
 22 included the Unix -- the Oracle databases, which
 23 is what the 2010 document was talking about --
 24 changes to that.
 25 So it may well be that if it was still via
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1 the users, not the users using the systems.
 2 **Q.** Yes. Then if you go on to page 10 on the
 3 "Logging Server" and scroll down, and then look
 4 at 5.2.
 5 **A.** Yes. Sorry, I can't ...
 6 **Q.** Sorry, you said you can't?
 7 **A.** I'm not sure what I'm meant to be looking for in
 8 here.
 9 **Q.** Okay, then go on to 5.3.
 10 **A.** Right, so the logging gets written to a file on
 11 the SAS Server.
 12 **Q.** Then over the page to 6.1 and 2.
 13 **A.** Yes. So this is connecting to counters or
 14 central servers. Yes, I remember doing those
 15 things.
 16 **Q.** Then down the page to 6.2.1.
 17 **A.** Yes.
 18 **Q.** Then over the page, please. Then scroll down to
 19 the bottom of the page. As I'd read this,
 20 Mrs Chambers, the system, if it had been carried
 21 into effect, required by this document, would
 22 have first required users to log in using their
 23 own names and passwords, then, when connecting
 24 to the counters, they logged in using a special
 25 user ID. That special user ID would be logged
 202

1 SSH, then that would have been an additional
 2 level of logging was going on automatically
 3 anyway but I really don't know. This was not my
 4 area at all.
 5 **Q.** I understand. Can we look at what you did
 6 understand as to the process, and look at your
 7 witness statement at page 57, please. In
 8 paragraph 199 at the foot of the page you say:
 9 "I am asked whether a person using a branch
 10 terminal would be expressly notified by Horizon
 11 if changes were made using these access rights.
 12 It is hard to remember now what was done so long
 13 ago. If the branch had raised the service
 14 incident in the first place, via HSD, then
 15 I would probably have told them if I was going
 16 to make a change to their system to correct the
 17 problem. If they had not raised it, but instead
 18 we knew there was a problem because of
 19 a Reconciliation Report entry and the branch had
 20 not yet done their balance, I probably would not
 21 have contacted the branch, but would have
 22 informed my manager or the Fujitsu Problem
 23 Manager. If the problem was notified to the
 24 Post Office and they had authorised the change,
 25 I would expect Post Office to decide whether or
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1 not to notify the branch."

2 So you say you would probably have notified
3 a branch if you were going to make a change
4 using remote access rights, if the postmaster
5 had themselves initiated the incident.

6 **A.** Yes. As I said, it's really hard to remember
7 what would have been done, what was done in each
8 case. I've seen various PEAKs in the
9 preparation for this, some where I definitely
10 did talk to the branch.

11 **Q.** And others where sometimes you didn't?

12 **A.** And others where I didn't, yes. Also, remember
13 that, you know, making the changes would not
14 necessarily be changes to financial data. One
15 thing we did have to do sometimes was, where
16 a branch was unable to use one of their counters
17 because it had been left in a slightly
18 inconsistent state, thinking it was still in the
19 middle of balancing, and they could sort it out
20 for themselves if the same user logged back on
21 to that counter. But if that user had gone off
22 on holiday for two weeks, that wasn't very
23 helpful. So there was a -- by rewriting a --
24 sorry, by updating an object in the message
25 store, basically writing a new version of the

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1 **Q.** Sorry, the second name?

2 **A.** Woolgar.

3 **Q.** Was it your understanding that any of those
4 people, Mr Peach, Mr Parker, or either of the
5 problem managers, would have contacted the
6 branch to tell them that corrections had been
7 made to their data?

8 **A.** No, I think it's very unlikely that they would
9 have contacted the branch.

10 **Q.** You say that in relation to -- in the last part,
11 that if the problem had been notified to the
12 Post Office and they'd authorised the change,
13 you would expect the Post Office to decide
14 whether or not to notify the branch. What would
15 affect whether or not the Post Office told the
16 branch that their financial data had been
17 altered?

18 **A.** I don't know. I think that's a question for
19 Post Office.

20 **Q.** Did you know of some cases where the Post Office
21 did not tell a subpostmaster that their
22 financial data had been altered remotely by
23 somebody within Fujitsu?

24 **A.** Yes, I think that definitely did happen.

25 **Q.** Did you follow the Group Litigation at all?

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1 object, we could clear that flag, which would
2 then enable them to log on to the counter and
3 proceed as normal.

4 That had absolutely no financial effect. So
5 the number of changes where we were actually
6 making a financial correction were very few and
7 far between.

8 **Q.** You refer in this paragraph to your manager,
9 ie in the cases where the problem had been
10 picked up by a Reconciliation Report entry, you
11 say you probably wouldn't contact the branch but
12 you'd have told your manager that you had made
13 a change on the subpostmaster's counter.

14 **A.** Yes.

15 **Q.** Are you referring there to Mr Peach and then
16 Mr Parker?

17 **A.** Yes, it would have been. And if it was a change
18 that had any financial implication, then it
19 would have needed the -- whatever the change
20 control system at the time was, following.

21 **Q.** You say or you might have informed the Fujitsu
22 Problem Manager. Who was the Fujitsu Problem
23 Manager?

24 **A.** They varied over the years, but back for Legacy
25 it was Mike Stewart and Mike Woolgar, I believe.

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1 **A.** No, not until I realised that I was being
2 mentioned quite a lot, which was very, very near
3 the end of it.

4 **Q.** Did you read in that, did you see in that, that
5 the Post Office was seeking to deny that the
6 remote access that we are speaking about could
7 occur?

8 **A.** I didn't see that at the time, certainly, and
9 I haven't read up on it thoroughly.

10 **MR BEER:** Sir, that's an appropriate moment --

11 **SIR WYN WILLIAMS:** Yes.

12 **MR BEER:** -- if it's convenient to you.

13 **SIR WYN WILLIAMS:** Certainly, yes. Can we take
14 stock, so to speak? Are you still confident
15 that all your questions and those of other legal
16 representatives can be completed tomorrow?

17 **MR BEER:** In respect of the first clause in that
18 sentence, yes. The second clause, I'm in the
19 hands of others. I've canvassed some views from
20 some of my friends and I'm covering a lot of the
21 ground that they've asked me to cover.

22 **SIR WYN WILLIAMS:** Right. Well, would like you to
23 discuss that briefly with your colleagues for
24 this reason: that having said on Friday that we
25 wouldn't sit on Thursday and Friday of this

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1 week, I made an appointment for myself on
 2 Thursday morning which I do not now wish to give
 3 up, because they're difficult to come by, and so
 4 I want that to be factored in to any
 5 arrangement, and I don't want to inconvenience
 6 Mrs Chambers more than is strictly necessary.
 7 So I'd be grateful if we could work out
 8 whether we will finish tomorrow and, if not,
 9 what we do.

10 **MR BEER:** Sir, we will liaise, and I'll report back
 11 to you overnight.

12 **SIR WYN WILLIAMS:** Thank you.

13 (4.27 pm)

14 (The hearing concluded until 10.00 am
 15 the following day)

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| 1 | I N D E X | |
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| 3 | HOUSEKEEPING | 1 |
| 4 | | |
| 5 | ANNE OLIVIA CHAMBERS (affirmed) | 6 |
| 6 | | |
| 7 | Questioned by MR BEER | 6 |
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