

Message

**From:** Jenkins Gareth GI [REDACTED] GRO [REDACTED]  
**Sent:** 20/03/2013 10:01:02  
**To:** Ivan Swepson [REDACTED] GRO [REDACTED]  
**CC:** Simon Baker [REDACTED] GRO [REDACTED]; Alison Bolsover [REDACTED] GRO [REDACTED]; Dave Posnett [REDACTED] GRO [REDACTED]; Rodric Williams [REDACTED] GRO [REDACTED]; Craig Tuthill [REDACTED] GRO [REDACTED]; Andrew Winn [REDACTED] GRO [REDACTED]; Rod Ismay [REDACTED] GRO [REDACTED]  
**Subject:** RE: SR001 - Strictly Private and Confidential - Subject to Legal Privilege - Not for Wider Circulation  
**Attachments:** image003.png; image004.png; image005.png; image006.png; image007.png; image008.jpg; DESAPPHLD0083v1.1.Counter.Recovery.doc; HorizonOnlineDataIntegrity\_POL.doc; ARCGENREP0004.HorizonDataIntegrity.doc

Ivan,

I have already done some investigation in this case as a result of an enquiry from Helen Rose in January, so I have the main facts already to hand.

I would expect to be able to put something together to share with Andy within the next week (ie before Easter).

In the meantime there may be something that could be shared with Second Sight:

We have a Design Document on Horizon Online Recovery which may be appropriate to pass to Second Sight. All Horizon Online Design documents are freely available to Post Office Ltd, so I think it is POL's decision as to whether it should be passed to Second Sight. I attach that document (DES/APP/HLD/0083) so you can consider if you want to pass it across to Second Sight immediately. The key aspects are summarised in a paper entitled *Horizon Online Data Integrity for Post Office Ltd* which I have already given to Second Sight and have also exhibited as evidence in a number of court cases. I would have thought that this would meet Second Sight's requirements as far as Horizon Online is concerned. There is an equivalent paper (*Horizon Data Integrity*) that covers the old Riposte based Horizon system (also sent to Second Sight). However that doesn't go into much detail on Recovery. I don't think there are simple documents on that, but I could probably put together a summary paper if really necessary.

Regards

Gareth

Gareth Jenkins  
Distinguished Engineer  
Business Applications Architect  
Post Office Account

FUJITSU  
Lovelace Road, Bracknell, Berkshire, RG12 8SN  
Tel: [REDACTED] GRO [REDACTED] Internal [REDACTED]  
Mobile: [REDACTED] GRO [REDACTED] Internal [REDACTED]  
email: [REDACTED] GRO [REDACTED]  
Web: [REDACTED] GRO [REDACTED] http://uk.fujitsu.com



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Please consider the environment - do you really need to print this email?

**From:** Ivan Swepson  
**Sent:** 20 March 2013 08:48  
**To:** Jenkins Gareth GI  
**Cc:** Simon Baker; Alison Bolsover; Dave Posnett; Rodric Williams; Craig Tuthill; Andrew Winn; Rod Ismay  
**Subject:** RE: SR001 - Strictly Private and Confidential – Subject to Legal Privilege – Not for Wider Circulation  
**Sensitivity:** Confidential

**GRO**

**Strictly Private and Confidential – Subject to Legal Privilege – Not for Wider Circulation**

Gareth,

Further to my email yesterday Simon Baker has asked if you would lead on the response to this SR please in light of its' emphasis on Horizon functionality in response to power and comms failures. Andy Winn will provide input on the operational procedures given to SPMRs and specifically how POL handled this dispute.

How long do you think you will require for first draft (given Easter coming up) so I can make a note on the Tracker?

Many thanks, Ivan

Ivan Swepson | IT Separation Programme Office, IT&C

2<sup>nd</sup> Floor Bunhill Wing, 148 Old Street, LONDON EC1V 9HQ

**GRO** Postline 5460 6099  
Mobext **GRO**  
ivan.swepson@**GRO**



**From:** Ivan Swepson  
**Sent:** Tuesday, March 19, 2013 2:44 PM  
**To:** Craig Tuthill; gareth jenkins ([Gareth.Jenkins@GRO](mailto:Gareth.Jenkins@GRO)); Andrew Winn; Rod Ismay  
**Cc:** Simon Baker; Alison Bolsover; Dave Posnett; Rodric Williams  
**Subject:** SR001 - Strictly Private and Confidential – Subject to Legal Privilege – Not for Wider Circulation  
**Sensitivity:** Confidential

**Strictly Private and Confidential – Subject to Legal Privilege – Not for Wider Circulation**

Further to Simon's email below:

1. Andy, will you take the lead again please on the draft response with input from Gareth (words and flowchart) on Horizon operational design for power and comms failures. How long will you require for first draft (given Easter coming up) so I can make a note on the Tracker?
2. Who is best placed to enable and facilitate the Horizon testing requested by Second Sight? I suggest we need suitable access to a Horizon terminal but I also think we ought to ask for a test plan so we can see the number and type of tests to be done to ensure a) the approach is robust (from a system testing point of view) and b) the environment is correctly configured and support to enable the testing.

Thanks, Ivan

Ivan Swepson | IT Separation Programme Office, IT&C

2<sup>nd</sup> Floor Bunhill Wing, 148 Old Street, LONDON EC1V 9HQ

GRO Postline GRO

ivan.swepson@GRO



**From:** Simon Baker

**Sent:** Tuesday, March 19, 2013 1:05 PM

**To:** Craig Tuthill; Dave Posnett; gareth jenkins ([Gareth.Jenkins@GRO](mailto:Gareth.Jenkins@GRO)) Ivan Swepson; Andrew Winn; Rod Ismay; Alison Bolsover

**Subject:** FW: Various items

**Sensitivity:** Confidential

All

Please find attached the next spot review. Also some comments below on what Ian expects us to include in our response.

Regards, Simon

**From:** Ian Henderson [<mailto:irh@GRO>] GRO

**Sent:** 19 March 2013 12:14

**To:** Simon Baker

**Cc:** 'Ron Warmington'; Susan Crichton

**Subject:** Various items

**Sensitivity:** Confidential

Simon

This is a general catch up on a number of issues:

1. I attach Spot Review SR001.docx which is the John Armstrong case we discussed on the last call
2. The main issue in SR001 is the automated and largely silent recovery process which occurs when Horizon detects either a power or a communications failure. Can you ask Fujitsu to provide us with a clear written description, including flowcharts, of how this is designed to operate for both old and new Horizon?
3. Tied in to the above, we would like to run some tests on a live Horizon terminal (possibly a training terminal) when we execute various types of transaction and at the same time cut the power or the internet connection. We will then observe and analyse the recovery process. It will be important that the terminal being used is a close to a live system as is possible. I assume the training office terminal in your building will be the best place to do this, however we will probably need to book this for a number of sessions. Will this be possible?

Many thanks. I look forward to seeing you on Thursday afternoon

With best wishes

Ian R Henderson CCE CISA FCA  
Advanced Forensics - London, UK

*Forensic computing expert witness and electronic disclosure specialist*

UK Mobile:

Email: irh

Website: <http://advancedforensics.com>

LinkedIn: <http://linkedin.com/in/forensicgod>

Twitter: <http://twitter.com/forensicgod>

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