



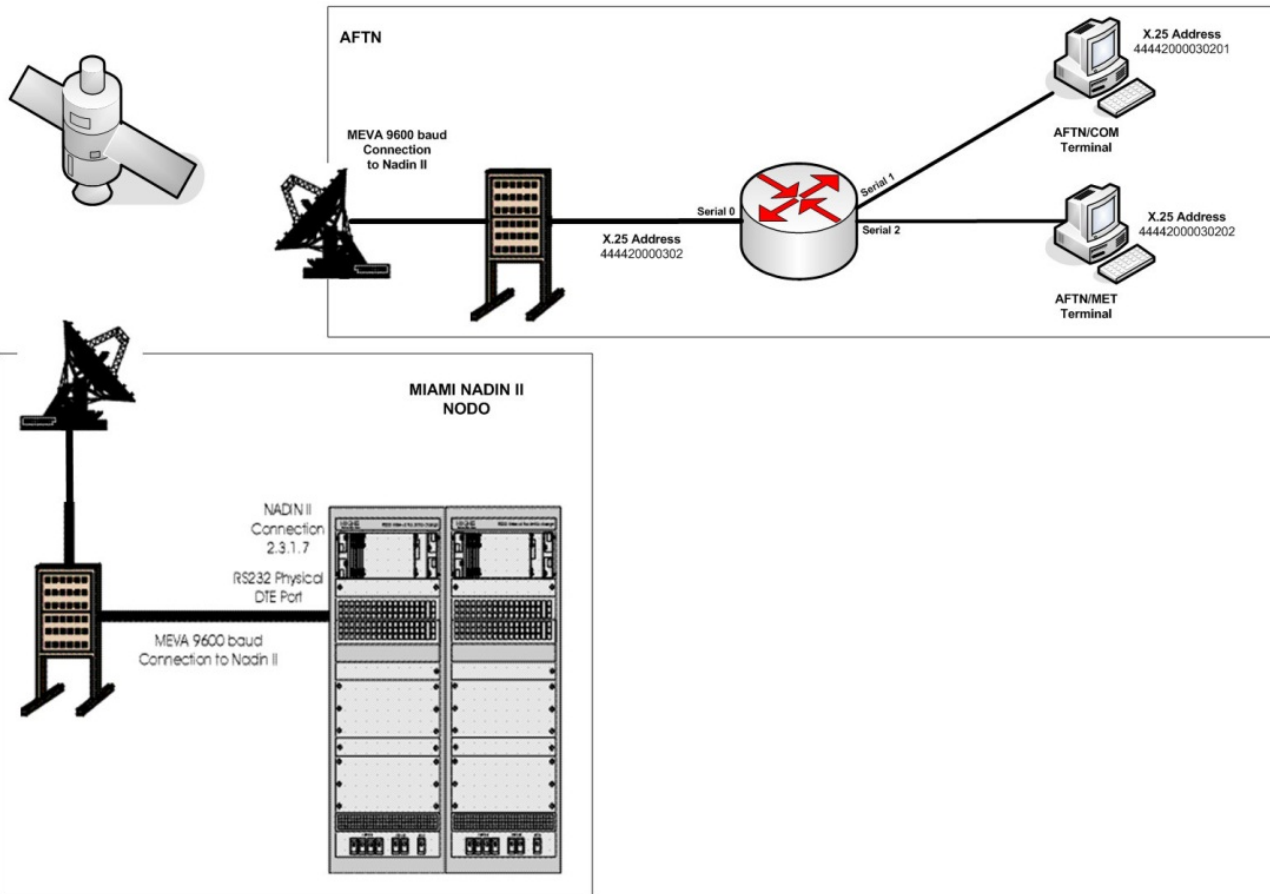
AHMS implementation in the Dominican Republic – Lessons Learned



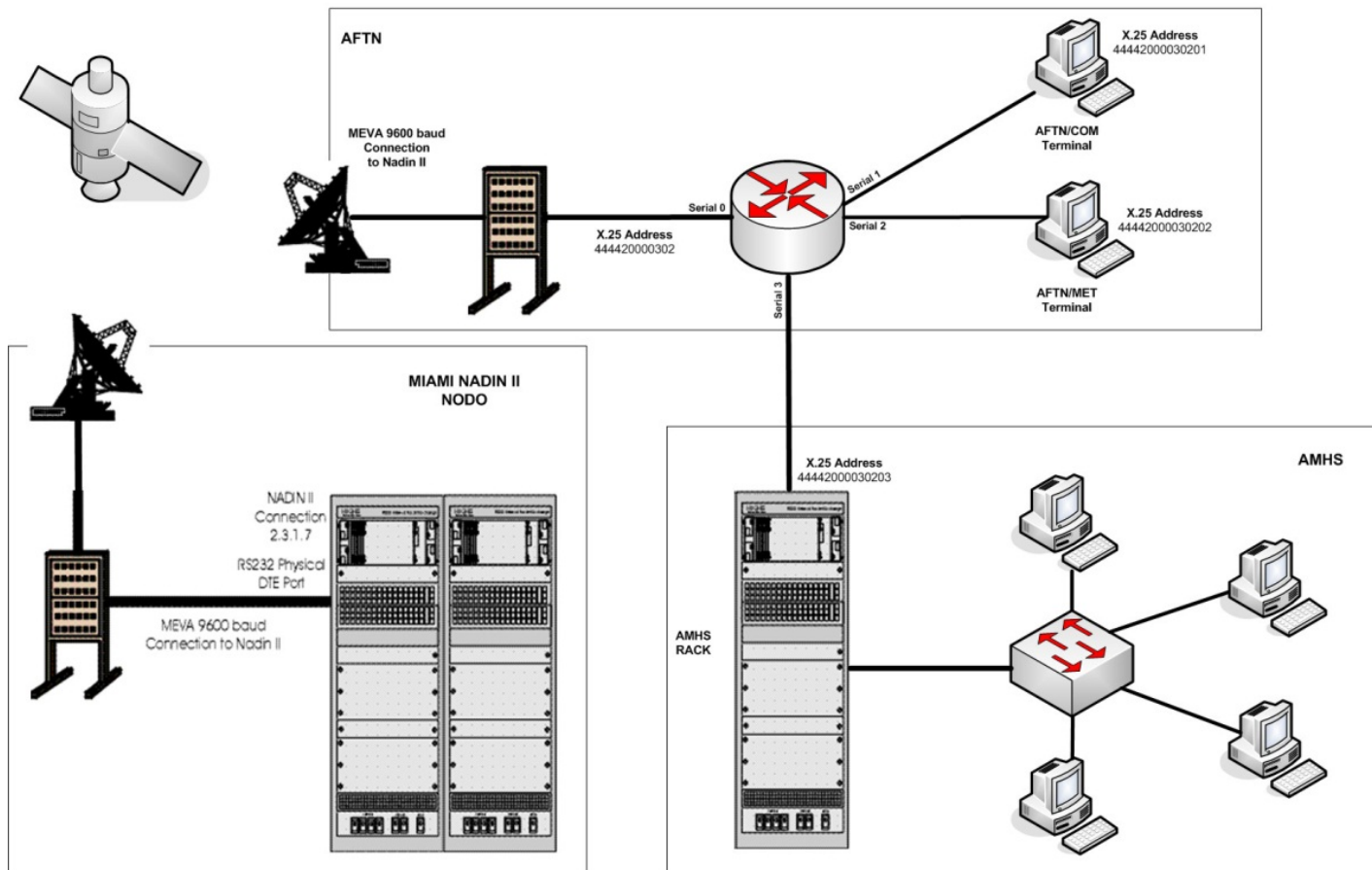
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Initial Situation



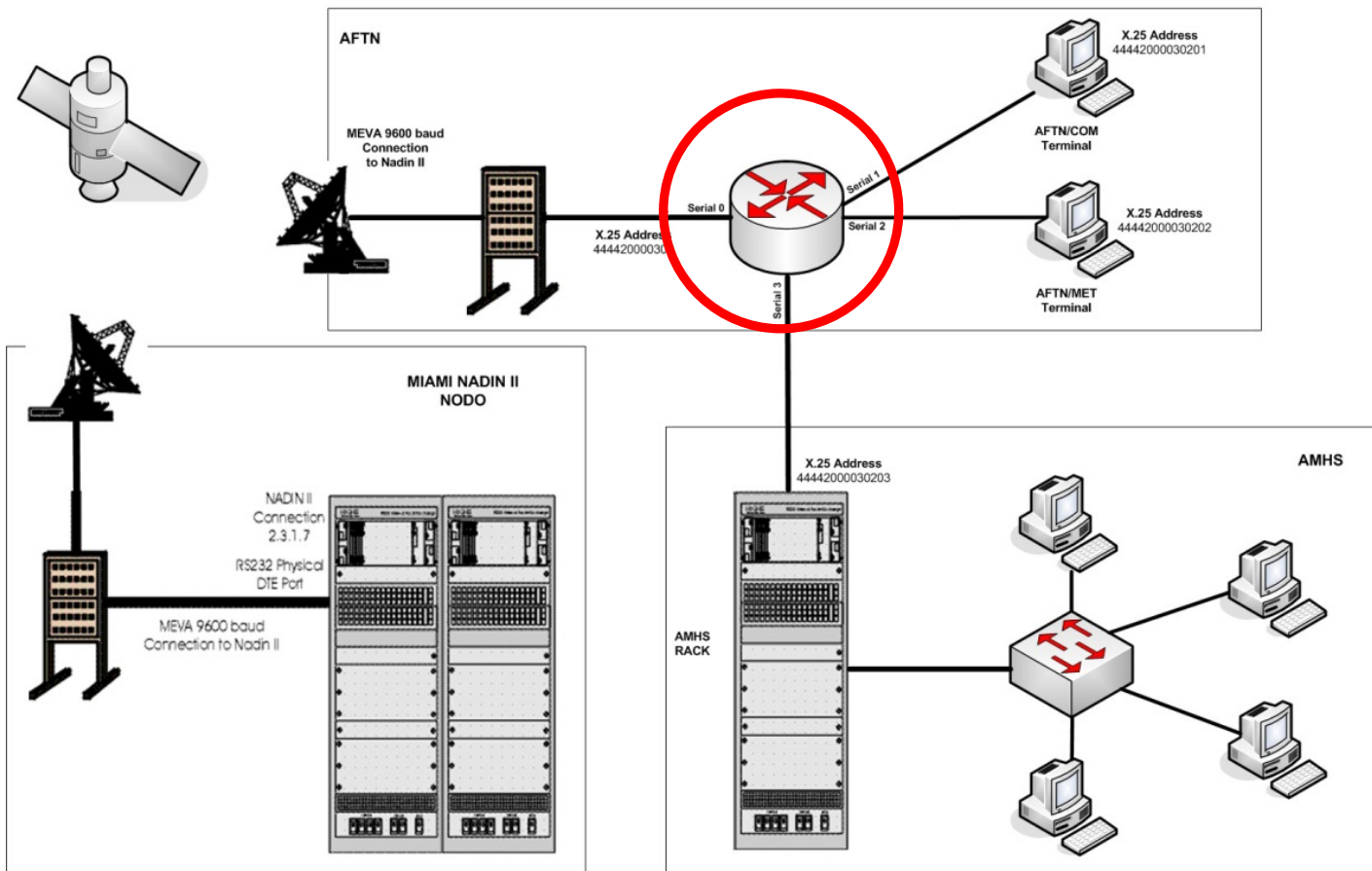
Proposed Solution



AMHS Implementation History

- * Contracted september 2008 (Ubitech, Canadian company established in 1986).
- * Two phases: 1st with AFTN, 2nd with AMHS.
- * Factory acceptance test (Nov. 2008)
- * Site acceptance test (Nov. 2009)

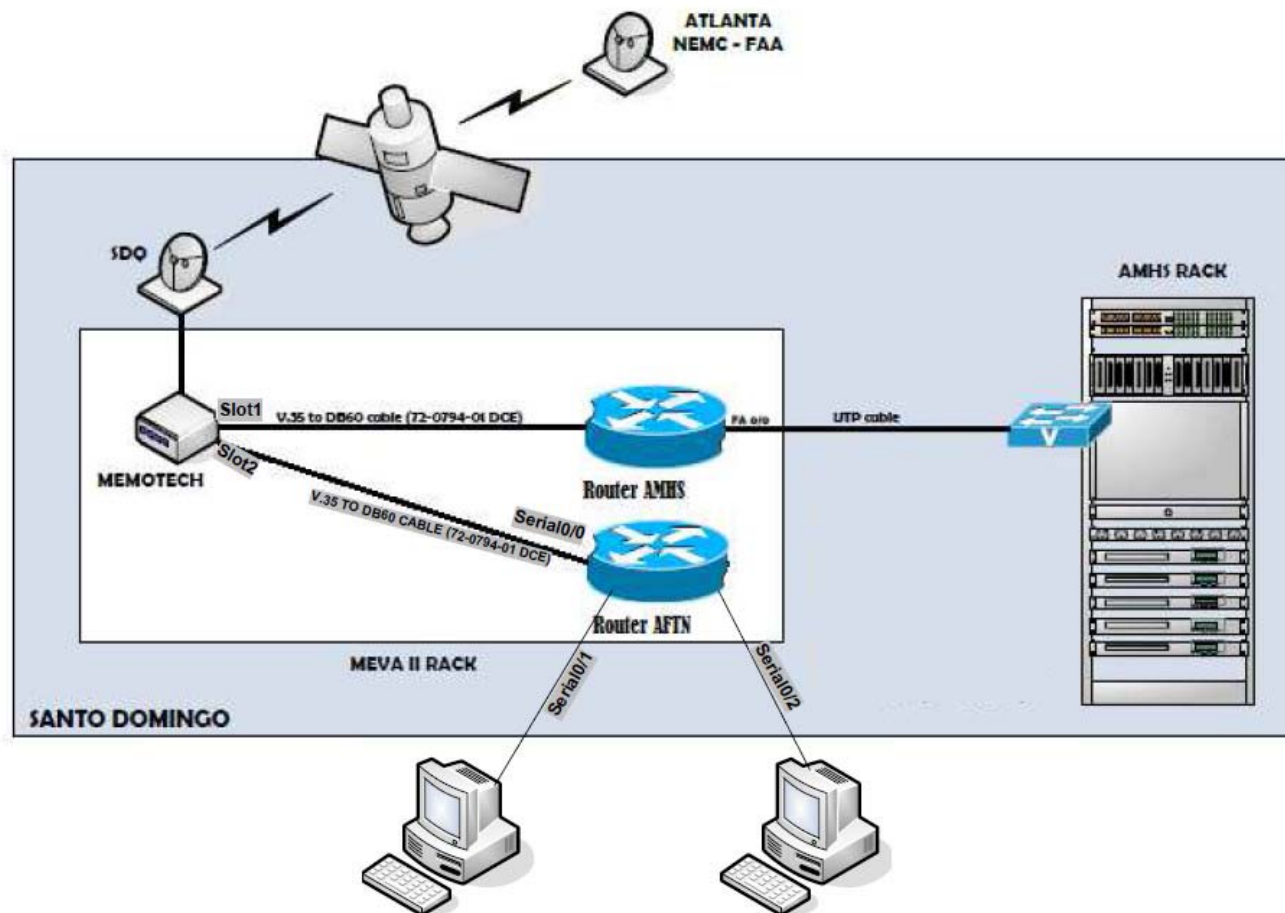
Problems



Following Steps

- * Coordination with FAA to find solution (February 2011)
- * Beginning of AMHS-AMHS interchange implementation with United States (Phase 2, April 2012)

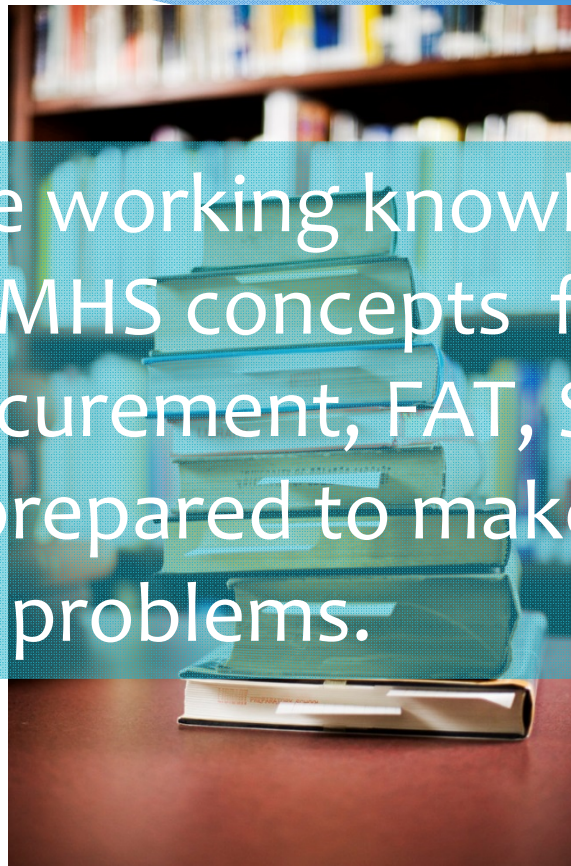
Current State



Lessons Learned

Prepare personnel beforehand

- Must have working knowledge of general AMHS concepts from the start (procurement, FAT, SAT, etc)
- Must be prepared to make decisions and solve problems.



Lessons Learned

Involve operational personnel in all phases

- Determining requirements for the system
- FAT/SAT
- Interoperability testing

Feedback from users is of capital importance

Lessons Learned

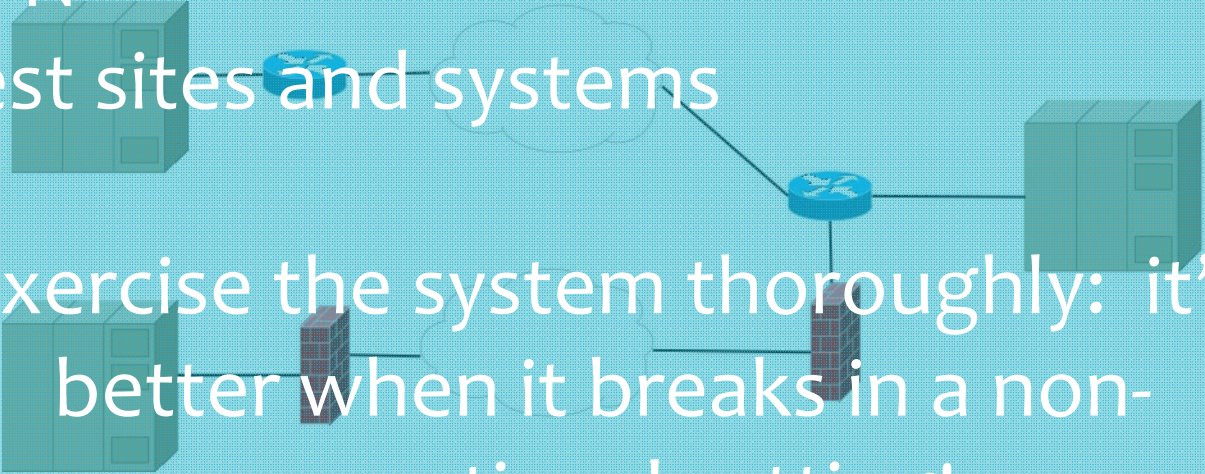
Close coordination with your adjacent
and provider

- It takes at least two for AMHS-AMHS interchange.
- Take advantage of mutual experiences.
- Much quicker solution to problems.

Lessons Learned

Use test means that don't interfere with normal operations

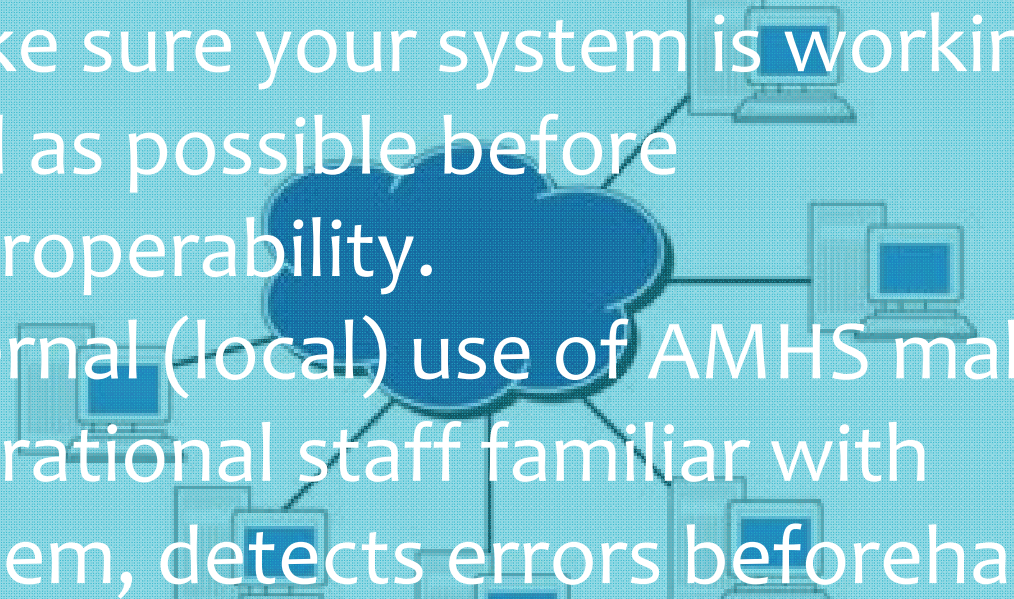
- VPN
- Test sites and systems



Exercise the system thoroughly: it's better when it breaks in a non-operational setting!

Lessons Learned

Test system locally

- Make sure your system is working as well as possible before interoperability.
 - Internal (local) use of AMHS makes operational staff familiar with system, detects errors beforehand.
- 
- A network diagram with a central cloud and several laptops connected to it. The cloud is a dark blue shape in the center, and several light blue laptop icons are arranged around it, connected by thin lines. The background of the diagram is a light blue grid.

Lessons Learned

Don't forget the physical connection

- Take lead times and paperwork into account.
- Get it soon enough for testing, but not so soon it will be idle for a long time: you will be paying for the circuit.

Lessons Learned

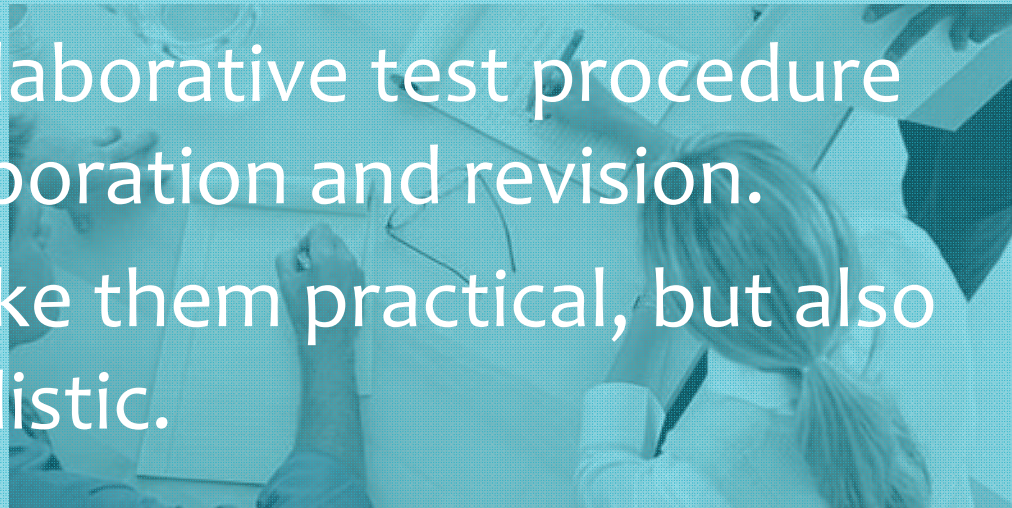
Control software and configuration changes

- Don't make software or configuration changes before a test
- Always test significant changes to systems
- Always backup configurations, in case of the unexpected

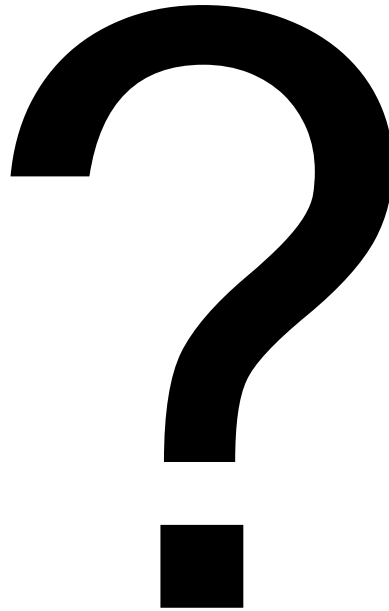
Lessons Learned

Document test procedures

- Make detailed test plans.
- Collaborative test procedure elaboration and revision.
- Make them practical, but also realistic.



Questions



Thank you!

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