

# Haiti IFMS- Applied Technology

EGAT/I&E/ICT

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# Haiti IFMS

- Overview
- Approach
- Technology
- Vendors
- Next Steps

# Haiti IFMS- Overview

- Nov/Dec 2004 Assessment for DG
- Broad based proposal including IFMS, \$6.5M
- Revised Proposal for network infrastructure and ancillary activities using Sysdep, \$1.2M
- Initial engineering/vendor TDY March 2005
- Currently in Phase II, 20 more sites, IFMS and Regional studies, \$1.2M

# Haiti IFMS- Approach

- Technology, try the simplest first
- Reoccurring costs, minimize
- Use local technology firms during implementation
- Anti-corruption, incremental successes

# Haiti IFMS- Technology

- **Establish a suitable network infrastructure to support an Integrated Financial Management System (IFMS) for the GOH**
- **Phase I includes a total of 20 GOH ministries and agencies to be linked**
- **Phase II adds 20 sites in port au Prince**
- **Technology used is based on Cisco 1310 and 1410 radios in the 2.4 GHz (802.11B/G) and 5.7Ghz (802.11A) unlicensed bands configured as point-to-point and point-to-multipoint**

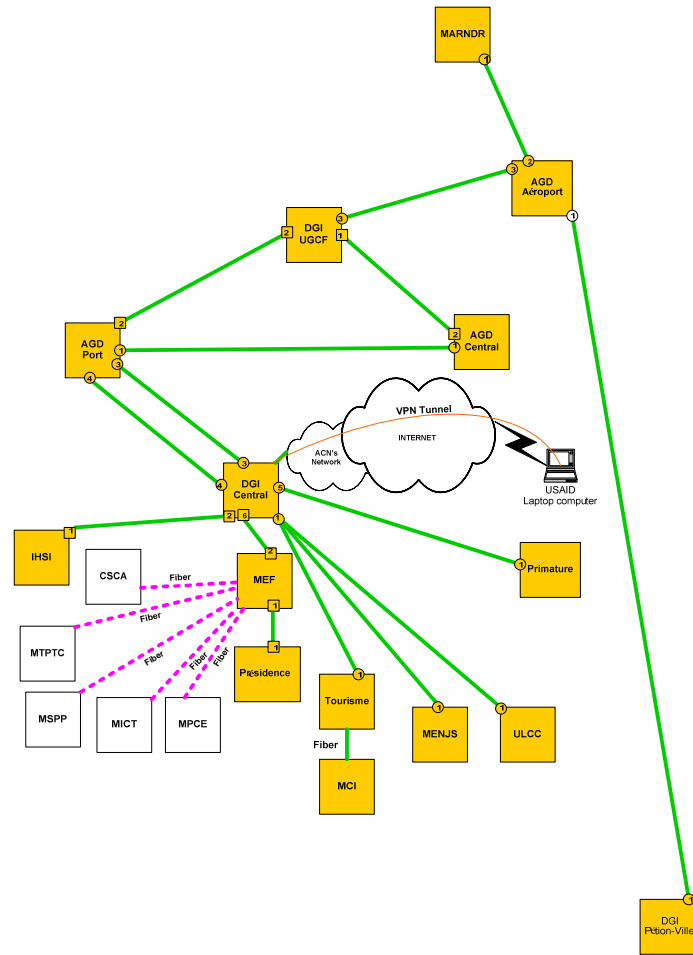
# Haiti IFMS- Technical Considerations

- Constraints
  - Lack of/difficulty in obtaining wired infrastructure
  - Potential 802.11 saturation/unregulated activity
- Requirements
  - Broadband
  - Redundant
  - Sustainable
    - Minimal reoccurring costs
    - Ease of maintenance
    - Simple technology
    - Locally available equipment and support
- Options
  - WiFi
  - WiMax
  - Microwave
  - CDMA

# Haiti IFMS- Technical Approach

- Inventory and document existing infrastructure and environment
- Spectrum analysis and WLAN survey
- Gather GPS coordinates
- Line of Sight (LoS) survey of sites
- Test LoS with pair of 1310/1410 bridges

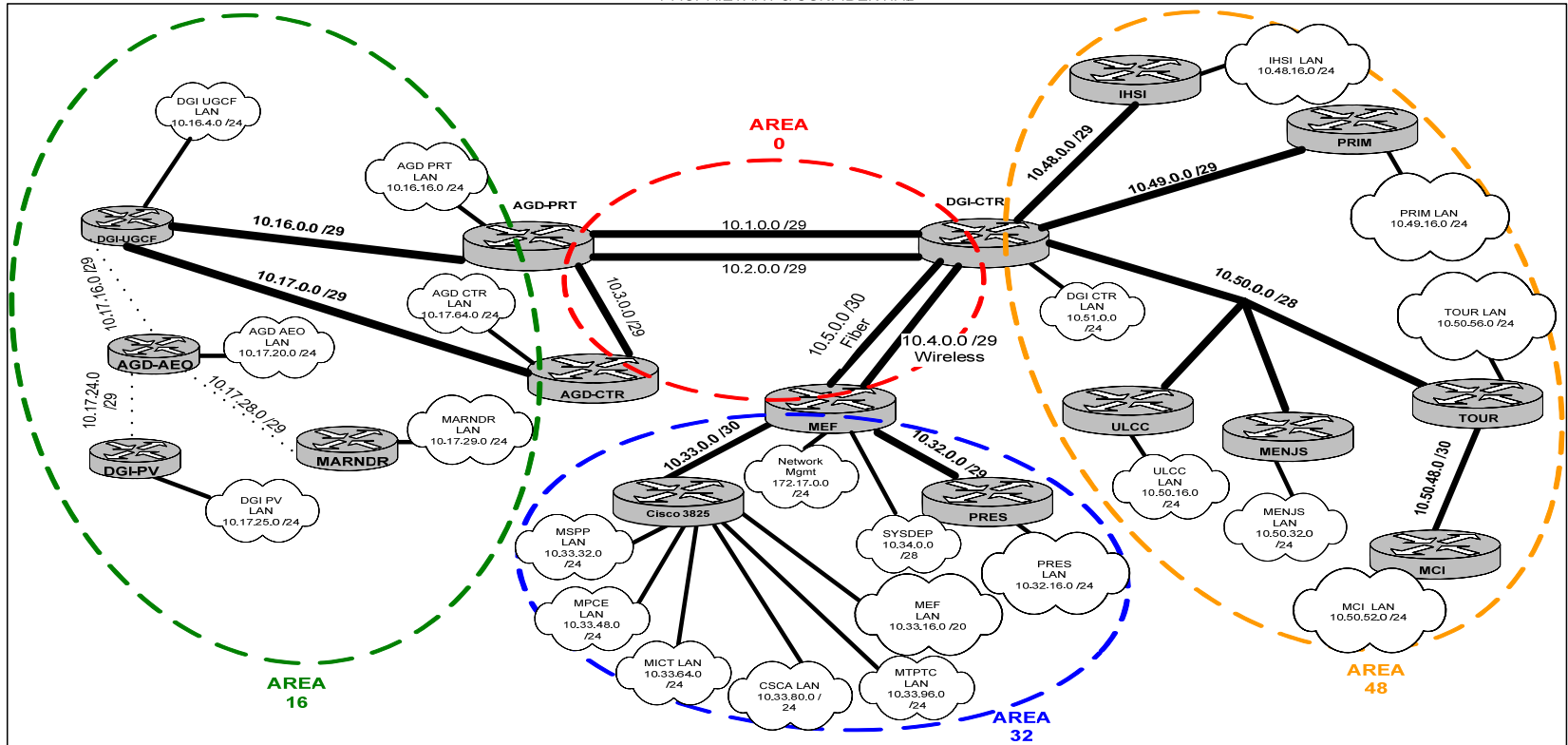
# Haiti IFMS- Initial sites





# Haiti IFMS- IP Architecture

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TITLE GOH MAN: OSPF Design for Phase I Sites (With Subnet IP Address Assignment)		REVISIONS	
Date - Original:	Scale:	NO.	DATE
Latest Revision:	Job No:	1	09/19/2009
			Initial Document Created
		Checked By:	Drawn By: Bess, Mardi



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# Haiti IFMS- Technology Results

- Twenty sites connected
  - Extensive local tech participation
  - Access to SysDep application nearing universal
- Work on the 20 sites for Phase II beginning
- Basis for the network infrastructure for the GOH

# Haiti IFMS- Local Vendors

- Inventoried local companies on first and subsequent TDY(s) via RFI interviews
- Executed a series of RFQs for:
  - Communication/network installation (PCXCEL)
  - Communication tower installation/upgrade (General Engineering Services [GNS])
  - HW/SW (CompHaiti)
  - Training (Turbo Systems)
  - Software development (current RFQ in progress)
  - Power conditioning equipment (PowerTech)
  - Internet Access (Haiti Data Network [HDN] and Alpha Communication Network [CAN])

# Haiti IFMS- Vendor Results

- Generally High Quality work
- Initial training, ongoing implementation
- Design and QA required
- Provide a base for sustainability
- Provide ongoing project execution when security situation prevents core project team for travel to Haiti

# Haiti IFMS- Next Steps

- UCREF application Interface
- IFMS selection/implementation
- Regional network design/implementation