



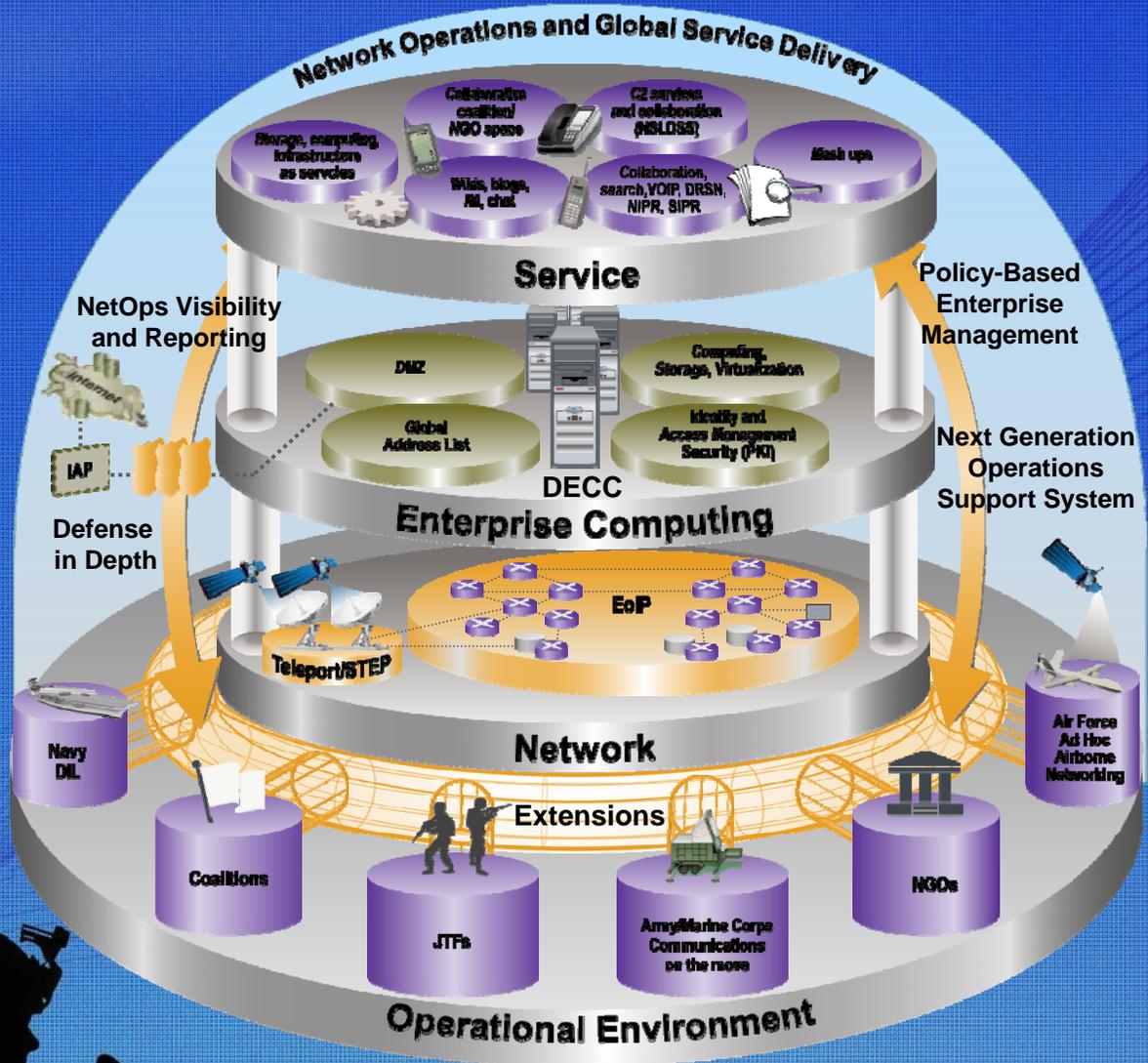
Defense Information Systems Agency

A Combat Support Agency

Defense Information Systems Network (DISN)

**Ms. Cindy E. Moran
Director for Network Services
7 August 2009**

The Enterprise





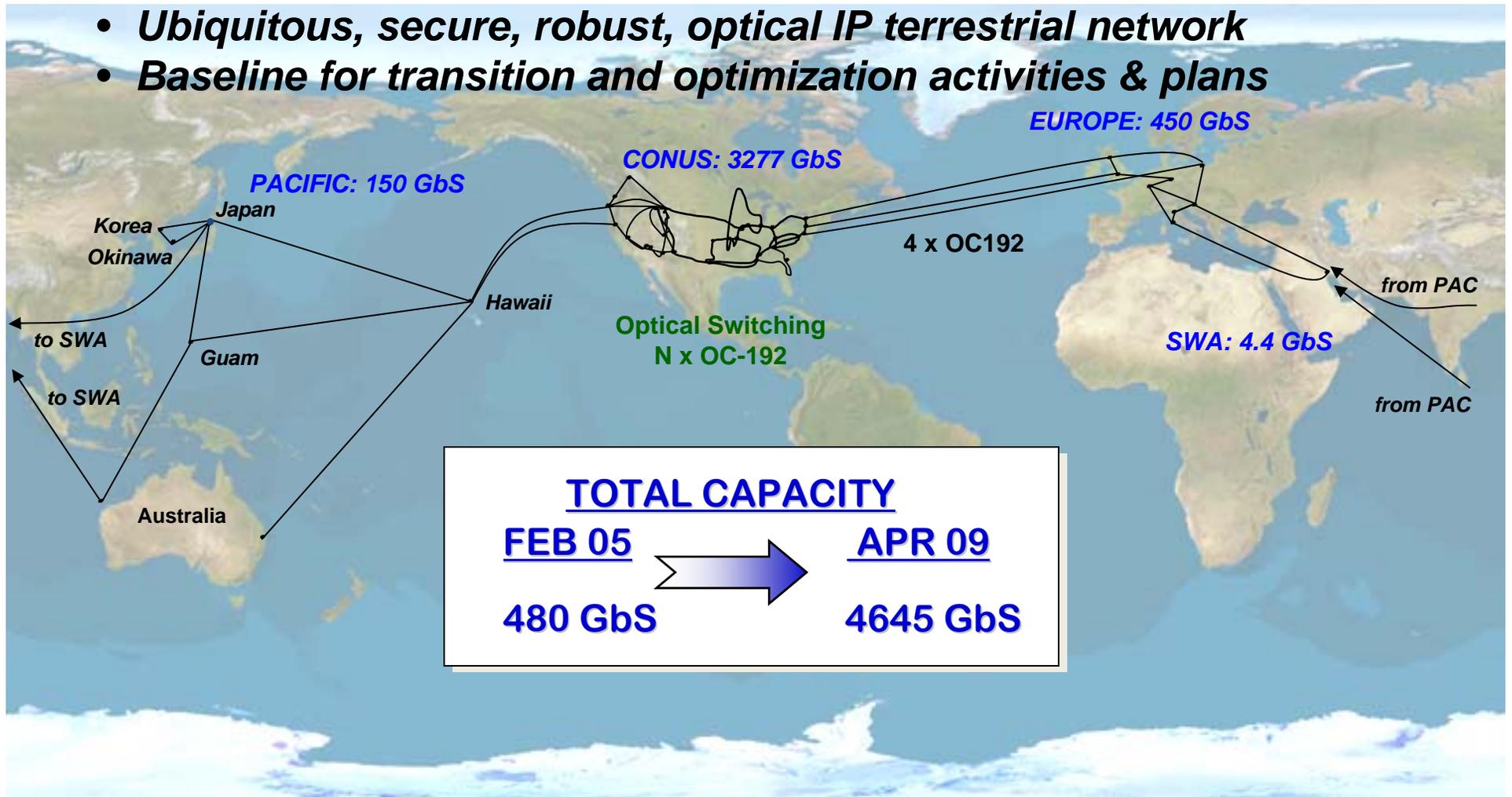
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Elements of the DISN

Centralized Services (Customer Serv/OSS) / DISN Business Services	TRANSPORT (Common User)		DISN ATM Service (DATMS) IDNX / Promina Network Enhanced SONET (ESONET)		
	<div style="border: 1px solid black; padding: 5px; display: inline-block;">Exploiting Economies Of Scale</div>				
	Muxed Svcs				
	Physical Layer		DISN CONUS (DISN-C/DATS) DISN Core (SONET/Optical) JHITS Hawaii (JHITS Transport) (Non DSS) Digital European Backbone (DEB) Puerto Rico Area Wideband System (PRAWS) Defense Switched Network (DSN) JHITS Hawaii local service (JHITS Switch)(Non DSS) Defense Red Switch Network (DRSN) Joint Worldwide Intelligence Communications System (JWICS)		
	Functional Networks	VOICE	(Unclassified) (Unclassified) (Classified (S-TS)) (Classified (SCI))	<i>Circuit Switched</i>	
		VIDEO	(Common User (U-TS)) (Classified (SCI))	DISN Video Services - Global (DVS-G) Joint Worldwide Intelligence Communications System (JWICS) <i>Circuit Switched</i>	
		DATA	(Unclassified) (Classified (S)) (Classified (SCI))	Unclassified but sensitive IP Router Network (NIPRNET) Secret IP Router Network (SIPRNET) Joint Worldwide Intelligence Communications System (JWICS) <i>IP Based</i>	
		Apps	MESSAGING	(Unclassified) (Classified (S-TS))	DISN Leading Edge Services (LES) Defense Messaging System (DMS) Defense Messaging System (DMS)
			SATELLITE	(Unclassified)	Enhanced Mobile Satellite Services (EMSS) (Non DSS)

Optical Backbone Global Reach

- Ubiquitous, secure, robust, optical IP terrestrial network
- Baseline for transition and optimization activities & plans



Supporting Joint Warfighting

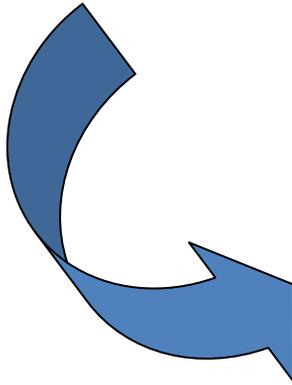


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DISN Transition

Requirement: To develop and implement an integrated transition of DISA services to respond to expiring contracts and to take advantage of current DISN infrastructure

Completed	As of 1FQ '08 Start	As of 1FQ '08 % Start	Current Weekly	Current Cumulative	Total	% Start	Completion Fiscal Qtr
NIPR Optimization	221	93%	-	237	237	100%	3Q08
**GS22: ESONET (by site)	-	-	-	17	17	100%	3Q08
**GS21: NIPR COIN (Phase II)	237	49%	-	463	463	100%	2Q08
DLA Phase II (DAPS)	29	70%	-	41	41	100%	4Q08
DISN-c Circuits	123	98%	-	123	123	100%	4Q07
FAA (total includes 144 discontinued)	435	87%	-	508	508	100%	2Q08
DISN-LES (Phase I)	22	76%	-	-	-	-	-
DLA	75	97%	-	-	-	-	-
**St. Louis MAN	20	83%	-	-	-	-	-
**DVS II - Hubs	24	100%	-	-	-	-	-
Europe ATM Circuits	17	100%	-	-	-	-	-
**Colorado MAN	49	100%	-	-	-	-	-
User I	13	100%	-	-	-	-	-
ATM Circuits "66"	52	100%	-	-	-	-	-
Pacific ATM Circuits	31	100%	-	-	-	-	-
San Antonio MAN	23	100%	-	-	-	-	-
DSN	1,990	100%	-	-	-	-	-
DTS-C-to STS	119	100%	-	-	-	-	-
NIPR COIN (Phase I)	52	100%	-	-	-	-	-
DTS-C AO	2,756	100%	-	-	-	-	-
DISN-LES (EMPIRE CHALLENGE)	0	0%	-	-	-	-	-
GS22: ATM Core	10	16%	-	-	-	-	-
Vandenberg (by site)	-	-	0	-	-	-	-
# of Actions	6,288	100%	-	-	-	-	-



	Current Priorities	As of 1Q09 Start	As of 1Q09 % Start	Current Weekly	Current Cumulative	Total	% Work Completed	Completion Fiscal Qtr
Team A	SIPR Optimization	71	37%	0	71	193	80%	1Q09
	DISN-LES (Phase II)	26	72%	0	26	36	99%	4Q08
	DECC Consolidation	1	3%	0	1	34	57%	1Q09
	MDA	0	0%	0	0	115	8%	4Q09
	Teleport Gen2 SPM (by site)	0	0%	0	0	5	15%	2Q09
	Teleport G2P2 (by site)	0	0%	0	0	13	15%	2Q09
	KG-175A Upgrade (Phase I)	0	0%	0	0	15	60%	4Q09
	KG-175A Upgrade (Phase II)	0	0%	0	0	15	38%	4Q09
	DISN-LES DCN Installation (by site)	13	50%	0	13	26	71%	2Q09
	ANG-NGB (by site)	0	0%	0	0	8	5%	-
	NGEN Phase 1 (Test Pilot)	0	0%	0	0	7	0%	3Q09
	INMARSAT BDC	0	0%	0	0	1	0%	-
	Tactical IP (STEP; by site)	0	0%	0	0	16	4%	2Q09
	Tech Refresh FY08: CONUS MSPP (by site)	5	100%	0	5	5	95%	2Q09
Team B	Tech Refresh FY08: CONUS ODXC (by site)	0	0%	0	0	3	30%	3Q09
	Tech Refresh FY08: 7500 Upgrade (by site)	0	0%	0	0	20	34%	2Q09
	Tech Refresh FY08: U-PE Upgrade (by site)	0	0%	0	0	14	51%	2Q09
	Tech Refresh FY08: PAC Region (by site)	0	0%	0	0	5	60%	2Q09
	Tech Refresh FY08: DEE (by site)	0	0%	0	0	8	18%	4Q09
	DTS-P	0	0%	0	0	300	0%	3Q10
	DCN (by site)	11	21%	0	15	72	29%	1Q11
Team C	**DVS II - Dedicated Room/Physical/CAPs	1/206/130	0/98/50%	0/0/0	1/206/130	206	0/100/63%	2Q07*/1Q09
	**ATI - AO	1,580	55%	12	1,549	2,803	55%	3Q09
	**ATI - CE	633	22%	3	646	2,892	22%	1Q11
Impl Branch	BRAC	4	-	0	4	4***	0%	4Q11
	AFRICOM	-	-	0	0	10	50%	4Q08
	St. Mawgan (by site)	-	-	0	0	3	30%	1Q09
	CONUS Site Activation	116	99%	0	116	117	99%	1Q09
# of Actions		2,666		15	2,652	6,879		
Total Actions					9,368	13,595		

Completed

On Track -within PM control, within objective

Issues — Not Major – Resolution at PM and/or SDA/PEO-level, within objective

Caution — Major Issues -- Resolution at 5Cs, Dir/Vice Dir –level, could cause schedule breach

Major Issues -- Resolution at D/DV level, will cause schedule breach

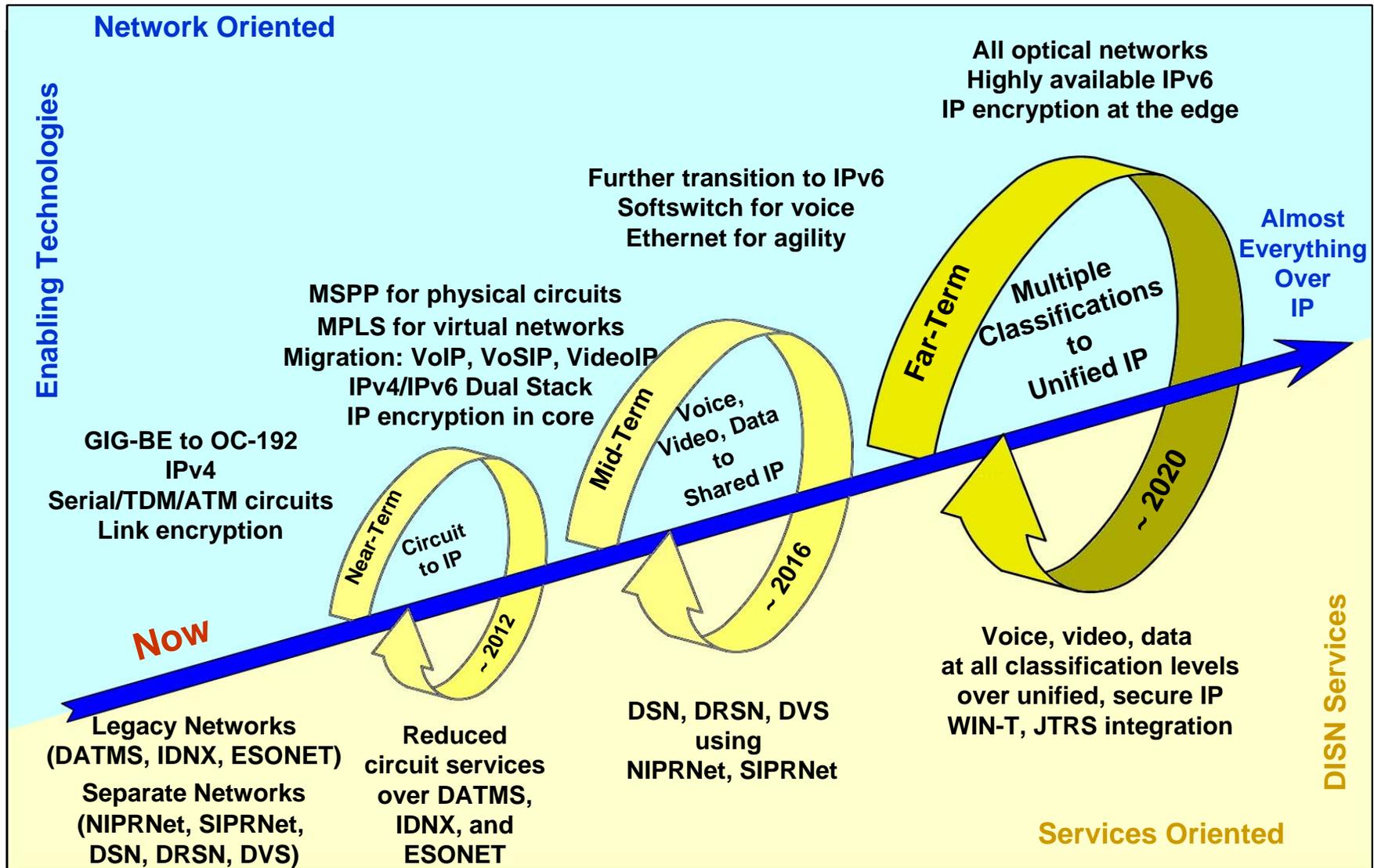
* - Originally scheduled completion date

** - Expiring DISA Contracts

*** - Total Requirements Unknown

Net-Centric Communications Implementation

(Per IP Convergence Master Plan)





Technology Refreshment (Tech Refresh)

- **Tech Refresh**
 - **Replaces unsupported software and/or hardware system components**
 - **Replaces end of life (EOL) equipment and/or software**
 - **Replaces equipment and/or software to maintain functionality of DISN network**
 - **Leverages IP convergence**
 - **Multi-year, continuous project**



Bottom Line Up Front

- **Providing a DISN technical strategy to accelerate the realization of the ubiquitous Global Information Grid that enables the warfighter with bandwidth and information on demand**
 - **Newer technologies will provide additional/expanded capabilities while reducing life cycle costs**
 - **Legacy equipment retired resulting in savings to the sustainment and share cost of the DISN**



On the Horizon for DISN

Contract/Task/Area of Support	Anticipated Start Date
FY09	
DISN Video – Maintaining current managed service contract. Future video and collaboration being addressed outside of Network Services.	TBD
DISN Transmission Services – Pacific (DTS-P) II	Awarded to Verizon Business Network Services Inc. on March 6, 2009.
Global Services Management (GSM) – (DISN Global Solutions (DGS) Replacement contract) Provides the necessary programmatic, engineering services, material, equipment, and facilities to support the life cycle management for the Defense Networks, and its extensions, on a world-wide basis.	Being managed by PEO-STS Estimated award data in 2010



On the Horizon for DISN

Contract/Task/Area of Support	Anticipated Start Date
FY09 – FY10 (Near-term)	
Technology Refresh (Near-term) - Identify and evaluate approaches and contractual alternatives leading to a recommended solution for: <ul style="list-style-type: none"> - Maintaining the DISN operational infrastructure - Upgrading end-of-life products - Ensuring timely insertion of technological upgrades and new equipment - Managing the DISN services 	On-going
SME-PED – Acquisition of 2nd MCEP.	Estimated award date 24 July 09
FY11 – FY16	
DISN Technology Refresh Equipment Future - DISN Optical, SONET and IP Core transition technology refresh.	Technology Refresh engineering analysis underway. Acquisition date TBD.



On the Horizon for DISN

Contract/Task/Area of Support	Anticipated Start Date
FY10 – FY16	
DISN Technology Refresh Equipment Future - DISN Optical, SONET and IP Core transition technology refresh.	Technology Refresh engineering analysis underway. Acquisition date TBD.



Summary

Simultaneously transitioning multiple services onto higher bandwidth cores

- Leading the Department's efforts in moving toward net-centric operations and warfare**
- Terminating expiring contracts with a combination of government-owned core with contractor-operated SONENT and video services that takes advantage of both government and contractor capabilities**
- Adapting to the changing budgetary and operational environments**
- Keeping pace with change**

Converging Voice, Video and Data...Posturing for Everything over IP

