

Communication Service Office (CSO)

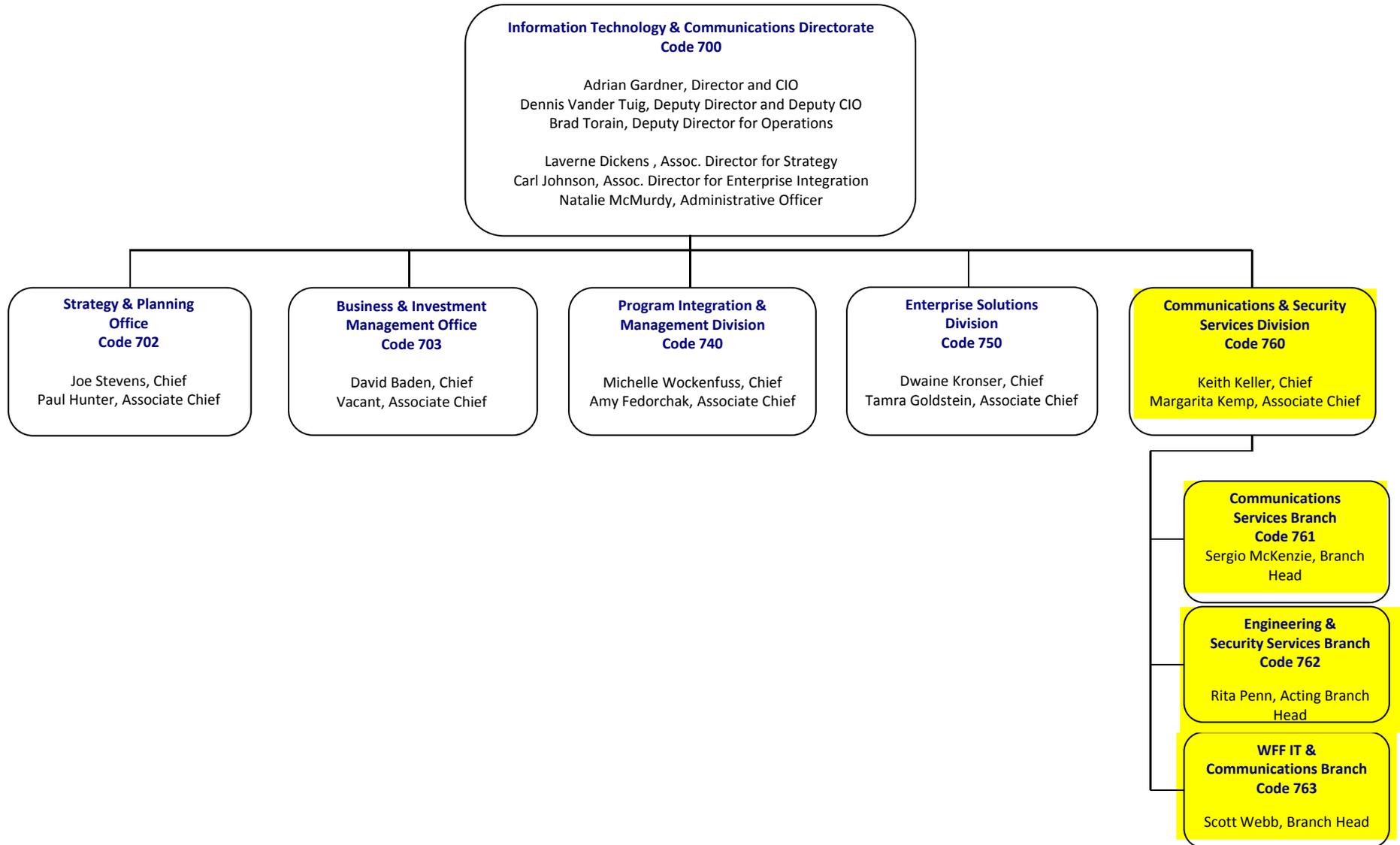
Scott C. Douglas

Deputy Mission Operations Manager

Overview

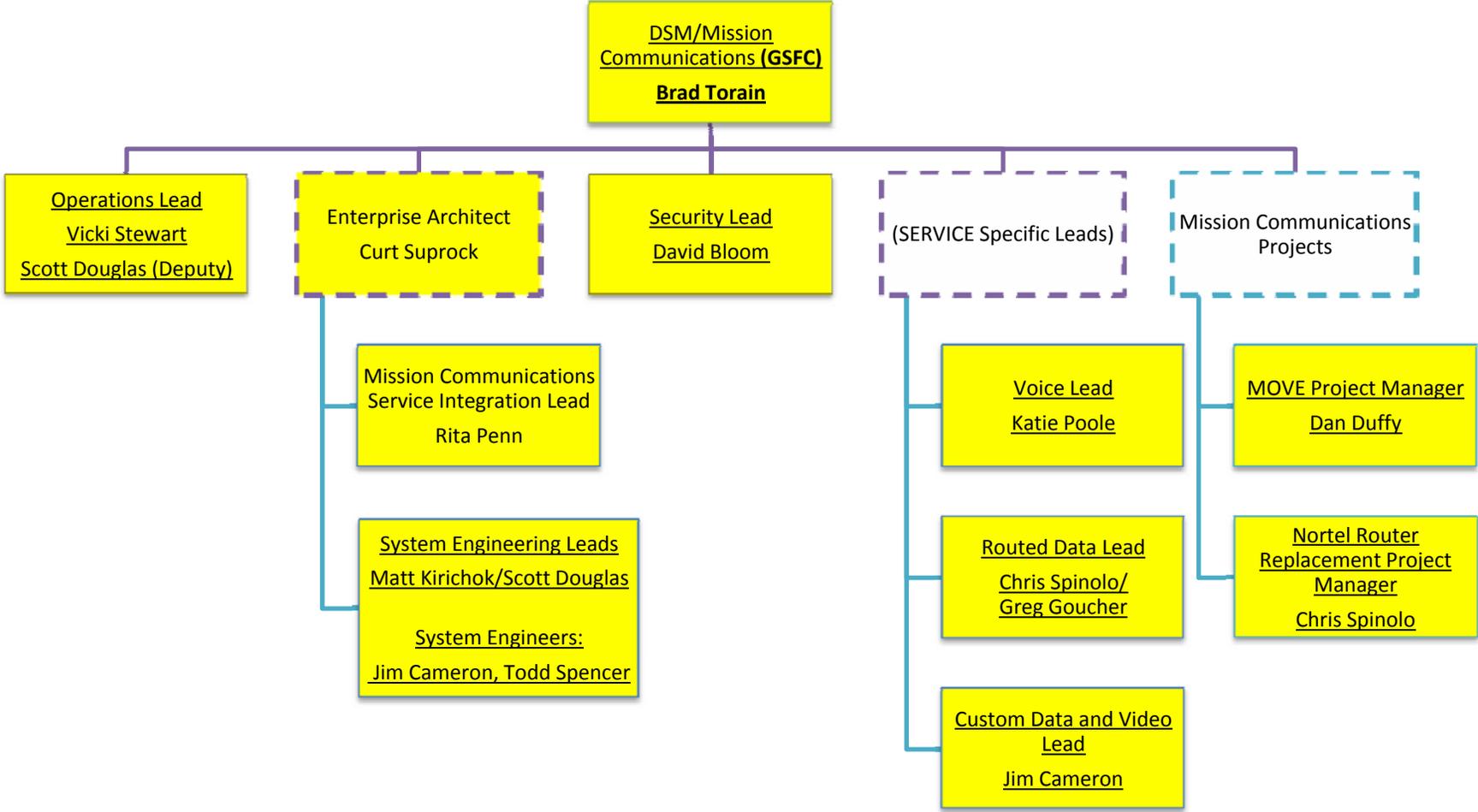
- CSO Organizational changes
- Mission Network Outage Notification Changes
- GSA's Network Contract Changes
- Current Mission Related Projects
- Mission Critical Network Topology

Information Technology & Communications Directorate (ITCD)



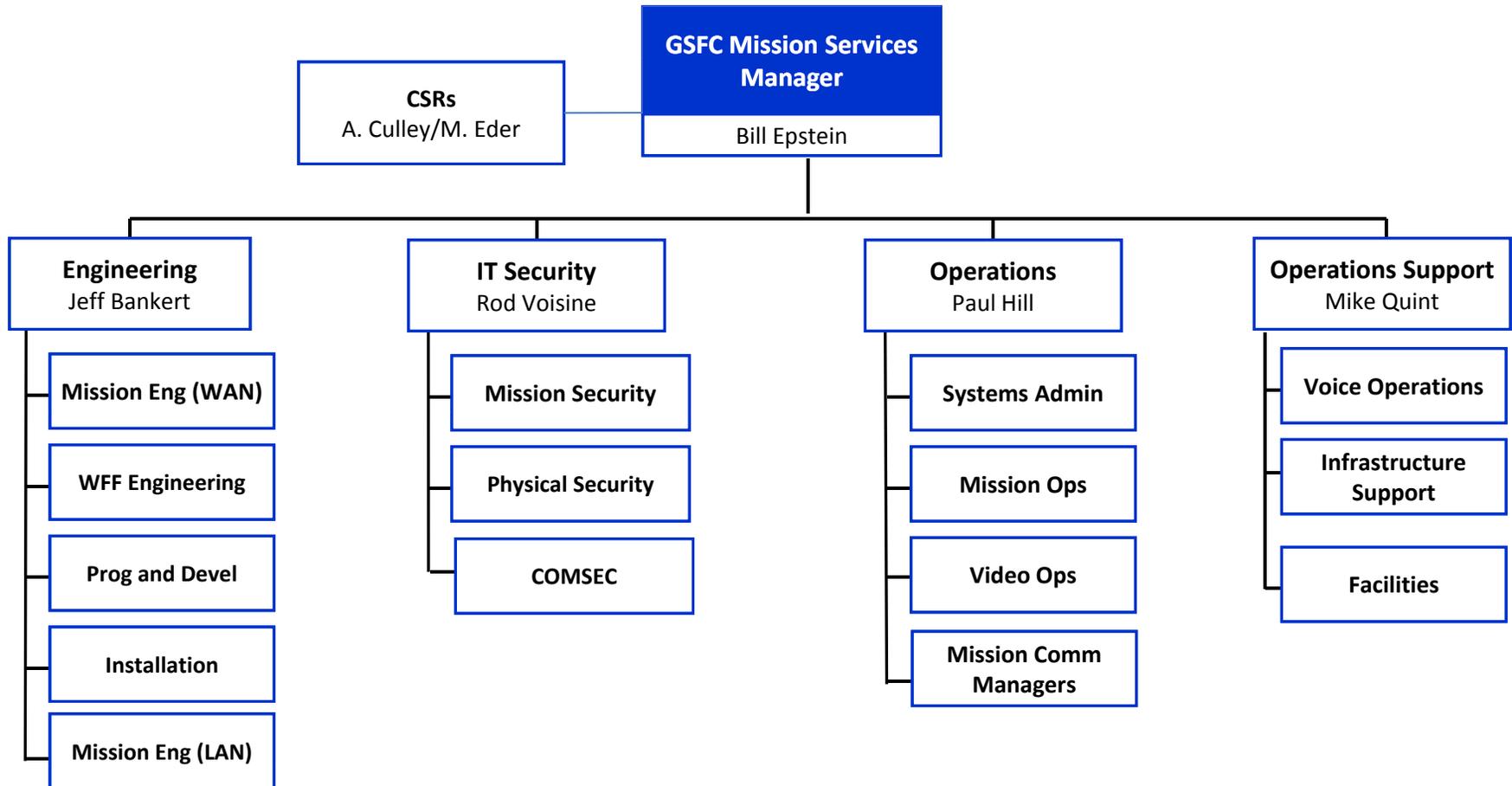
CSO Mission Communications Organization

Key Positions lead by GSFC



NICS Mission Communications Organization

Key Positions lead by GSFC



Mission Network Outage Notification Changes

Outage Notifications

- As a result of enhancements implemented on the Mission network, such as Alternate Routing and Redundancy fewer service outages occur.
- Consequently, there will be a change in the outage notification process:
 - Mission **Service** Outage Notifications (MSON) will replace the Mission Outage Notification (MONS). MSON's will be distributed for **Service** outages. Meaning, if **Services** alt-routed and there was no impact an outage notification will not be issued.
 - Outages will continue to be announced over the loops.
 - Daily Summary Report (DSR) will continue to be issued and will contain the **Circuit** outages.

GSA/Networx Contract Changes

Changes as a result of the Network Contract

- Under the new GSA Network contract Carrier's Service Level Agreements (SLA's) are measurable. As a result, sites on the Mission Network are classified by Site Type.
- Site type A = Mission Critical SLA
 - 99.95% Availability with 2/hr restoral
- Site type B = Mission Support SLA
 - 99.5% Availability with 4/hr restoral

The following Site B's under the Network Contract

SITE ACRONYM	SITE NAME	CITY	STATE	SERVICE LEVEL	PROJECT
ATK	ATK LAUNCH SYSTEMS	PROMONTORY	UT	B	STS
BATC	BALL AEROSPACE & TECHNOLOGY CORP	BOULDER	CO	B	Deep Impact/Kepler
BCKP	BOEING , CANOGA PARK	CANOGA PARK	CA	B	STS
BERK	UNIVERSITY OF CALIFORNIA, BERKLEY	BERKELEY	CA	B	DSN/NUSTAR/FAST/ HESSI/THEMIS
BSCC	BOEING SPACE AND COMMUNICATIONS	EL SEGUNDO	CA	B	GOES N-P/TDRS K-L
BSU	BOWIE STATE UNIVERSITY	BOWIE	MD	B	SAMPEX
CCOL	CAPITOL COLLEGE **	LAUREL	MD	B	EOS/TRMM/
CONC	COQUINA TRACKING STATION	KILL DEVIL HILLS	NC	B	ORS-1
EDC	EROS DATA CENTER	SIoux FALLS	SD	B	LAST/QUICKSCAT
EDF	RAYTHEON	RIVERDALE	MD	B	EOS
EDW	EDWARDS AIR FORCE BASE	EDWARDS AIR FORCE BASE	CA	B	STS
GRC	GLENN RESEARCH CENTER	CLEVELAND	OH	B	ISS/SCAN/CONNECT
HST	HUBBLE SPACE TELESCOPE	LANHAM	MD	B	HST
ILC	ILC INDUSTRIES	FREDERICA	DE	B	STS
LARC	LANGLEY FLIGHT RESEARCH CENTER	HAMPTON	VA	B	N-GN/TAP/EOS/STS/ CERES/MCDTV
LMAS	LOCKHEED MARTIN ASTRONAUTICS	LITTLETON	CO	B	N-DSN/MRO
LMMS	LOCKHEED MARTIN MISSILE & SPACE CORP.	SUNNYVALE	CA	B	POES/DSN/NOAA K-N
LMSAL	LOCKHEED MARTIN SOLAR & ASTROPHYSICS LABORATORY	PALO ALTO	CA	B	SDO
MAF	MICHOUD ASSEMBLY FACILITY	NEW ORLEANS	LA	B	STS
NSBF	NATIONAL SCIENCE BALLOON FACILITY	PALESTINE	TX	B	LDBP/ULDBP
NSWSC	NAVAL SPACE WARFARE SYSTEMS CENTER	SAN DIEGO	CA	B	HR-1
PSU	PENN STATE UNIVERSITY	STATE COLLEGE	PA	B	MIDEX/SWIFT
SAFB	SCHRIEVER AFB	COLORADO SPRINGS	CO	B	NPOESS/D-DSN/POES/ NRO/JUNO
STAN	STANFORD UNIVERSITY	PALO ALTO	CA	B	SDO/GP-B
STDP	DEPARTMENT OF STATE	WASHINGTON	DC	B	PAO
STSCI	STS SCIENCE INSTITUTE	BALTIMORE	MD	B	HST
USA	UNITED SPACE ALIANCE	HUNTSVILLE	AL	B	STS
VIZA	VIZADA, INC.	SOUTHBURY	CT	B	STS
WHS	WHITE HOUSE	WASHINGTON	DC	B	PAO

Mission Related Projects

Emergency Notification and Accountability System (ENS)

- By order of the Office of Protective Services at NASA Headquarters, the Goddard Space Flight Center is participating in the Agency's ENS program.
- Mission Operations will issue a notification via phone, email and text if there is a major event that could impact Mission Operations personnel or network.

Current Projects in Mission Operations

- Nortel Router Replacement Project (NRRP)
 - Project Leads
 - Michael.C.Spinolo@nasa.gov
 - William.H.Ihnat@nasa.gov
- MOVE
 - Project Lead
 - Daniel.J.Duffy@nasa.gov
 - Site POC
- Building 14/32 Diversity Enhancement
 - Project Lead
 - Scott.C.Douglas@nasa.gov
 - William.H.Ihnat@nasa.gov
- DMS
 - Project Lead
 - James.M.Cameron@nasa.gov
 - Montserrat.R.Solap@nasa.gov

NASA Communications Mission Critical Network Major Sites

Legend:

- OC-12 – 622.08Mbps
- OC-3 – 155Mbps
- DS3 – 45Mbps
- T-1 – 1.5Mbps

