Regional 3Cs

Inspiring Regional Collaboration Across the Southwest Region

By the San Diego Fire-Rescue Department
in cooperation with San Diego Police Department,
San Diego County Sheriffs Department,
and CalFire San Diego Unit

Lessons Learned from the 2003 Fire Season

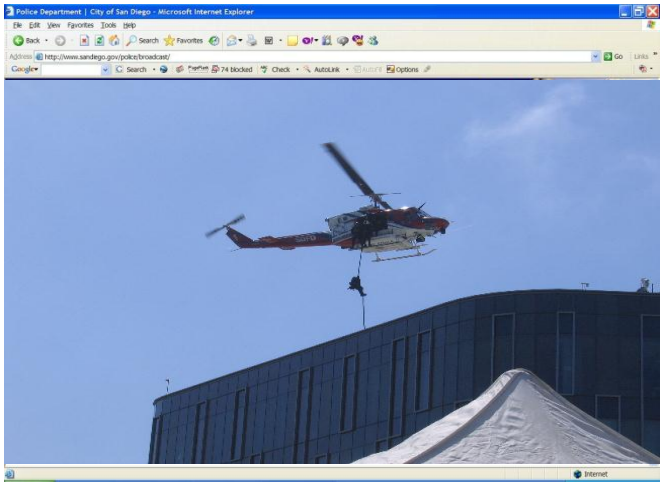
- More collaboration between agencies
- Some conversations should be moved to a data network to free up radios for first responders in the field
- Combine intel from multiple sources to better understand and manage an incident

Eyes in the Sky

- Secure digital video downlink from SDPD ABLE, SDFD Copter 1, and County ASTREA
- Designed to incorporate video feeds from any source
- Available throughout the network

You Never Know Who Is Going to be Affected by a Critical Incident

- Need ways to get information to public safety, even outside the network
- Web streamer, Laptops, IPADs & Tablets



Connectivity Beyond the Network

NOMAD

- Expanded Command Van Connectivity in the Region
- Ability to create a impromptu network
- Data and Wireless Support for Command Vans and Laptops

Agencies on the Network…

- City of San Diego
- County of San Diego
- CalFire
- CHP
- FBI
- Navy
- Heartland Fire
- San Miguel Fire
- US Coast Guard
- MTS
- Chula Vista
- Carlsbad
- Rancho Santa Fe
- NCJPA
- SDSU
- TSA
- San Marcos
- La Mesa
- National City
- Poway
- Vista
- Lemon Grove
- Escondido
- SONGS
- Camp Pendleton

…Agencies on the Network

- Alpine Fire
- Encinitas Fire
- Harbor PD
- El Cajon PD
- ASTREA
- UPD
- San Diego Schools Police
- SD Comm College Police
- ABLE
- Offices of Emergency Svcs
- 6 County Jails

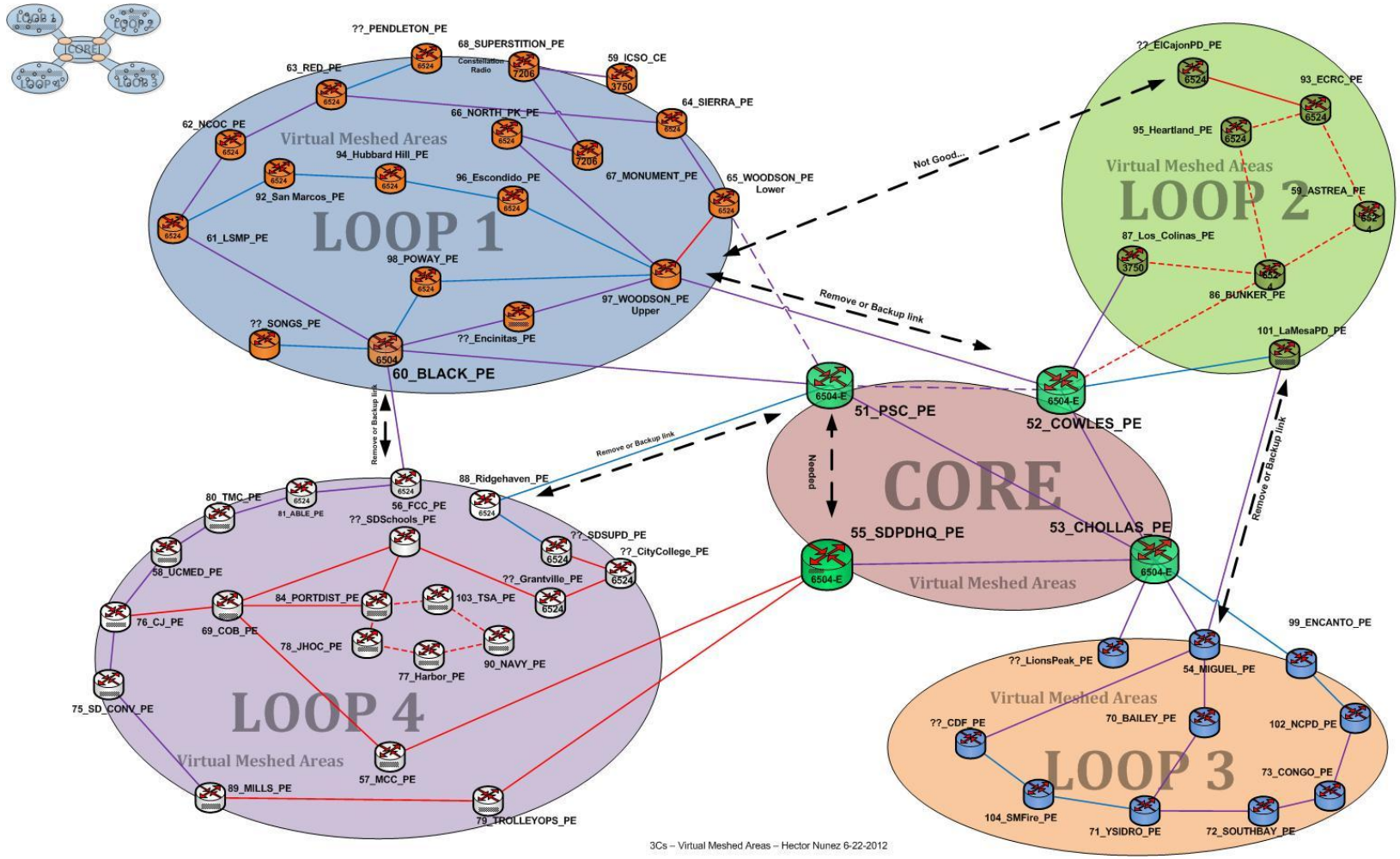
Services on the Network

- Video Teleconferencing
- Helicopter Downlink
- RCIP
- Cal-ID
- ARJIS
- SD Trunked Radio System
- VOIP
- ROIP

Program Timeline

- Pilot Phase (1A) – 4 Agencies & 7 Sites *2005 – 2007*
- MOU/Governance *2006 - 2010*
- Backbone Phase (1B) – *2006 - 2008*
- Agency Construction Phases (2A & 2B) *2007 – 2009*
- MPLS Implementation 2009 - Present
- Agency Construction Phases (3A - 3X) *2009 - 2012*
- Agency Construction Phase (4) *2011 – 2012*
- BIDP Construction Phase (5) *2011 -2014*

PRESENT


LOOP 1
Virtual Meshed Areas
LOOP 2
Virtual Meshed Areas
CORE
Virtual Meshed Areas
LOOP 3
Virtual Meshed Areas
LOOP 4
Virtual Meshed Areas
Not Good...
Remove or Backup link
Needed
??_PENDLETON_PE
68_SUPERSTITION_PE
Constellation Radio
59_ICSO_CE
63_RED_PE
64_SIERRA_PE
66_NORTH_PK_PE
62_NCOC_PE
94_Hubbard Hill_PE
96_Escondido_PE
67_MONUMENT_PE
65_WOODSON_PE Lower
92_San Marcos_PE
61_LSMP_PE
98_POWAY_PE
97_WOODSON_PE Upper
?? SONGS_PE
??_Encinitas_PE
60_BLACK_PE
??_ElCajonPD_PE
93_ECRC_PE
95_Heartland_PE
59_ASTREA_PE
87_Los_Colinas_PE
86_BUNKER_PE
101_LaMesaPD_PE
51_PSC_PE
52_COWLES_PE
55_SDPDHQ_PE
53_CHOLLAS_PE
88_Ridgehaven_PE
80_TMC_PE
81_ABLE_PE
56_FCC_PE
??_SDSchools_PE
??_SDSUPD_PE
??_CityCollege_PE
58_UCMED_PE
??_Grantville_PE
84_PORTDIST_PE
103_TSA_PE
76_CJ_PE
69_COB_PE
78_JHOC_PE
90_NAVY_PE
77_Harbor_PE
75_SD_CONV_PE
57_MCC_PE
89_MILLS_PE
79_TROLLEYOPS_PE
99_ENCANTO_PE
??_LionsPeak_PE
54_MIGUEL_PE
??_CDF_PE
70_BAILEY_PE
102_NCPD_PE
73_CONGO_PE
104_SMFire_PE
71_YSIDRO_PE
72_SOUTHBAY_PE
3Cs – Virtual Meshed Areas – Hector Nunez 6-22-2012

County EOC During Fire Storm

NEXT: *Secure Data Transportation*

- Secure transport of public safety data and applications between agencies
- AVL and 911 data

- *Proven cost savings and reliability*
- *Control data flow and prioritization*

IN 2012: *Application Sharing*

- Increased access to cameras/video
- Redundancy using VoIP
- RCIP – San Diego's Regional CAD project
- CALID
- Shared maps, white boards chat/messaging

Questions?