

# Cross Border Public Security Communications Network (CBSCN)



2015 System Owners Meeting

March 24, 2015

Fort Worth, TX

# CBSCN

- *Protocol Between the Department of State of the United States of America and the Secretariat of Communications and Transportation of the United Mexican States*
- “(Microwave) Network was established to enhance the interoperability of public security communications on each side of the common border for the purpose of improving border security and combating border violence.”

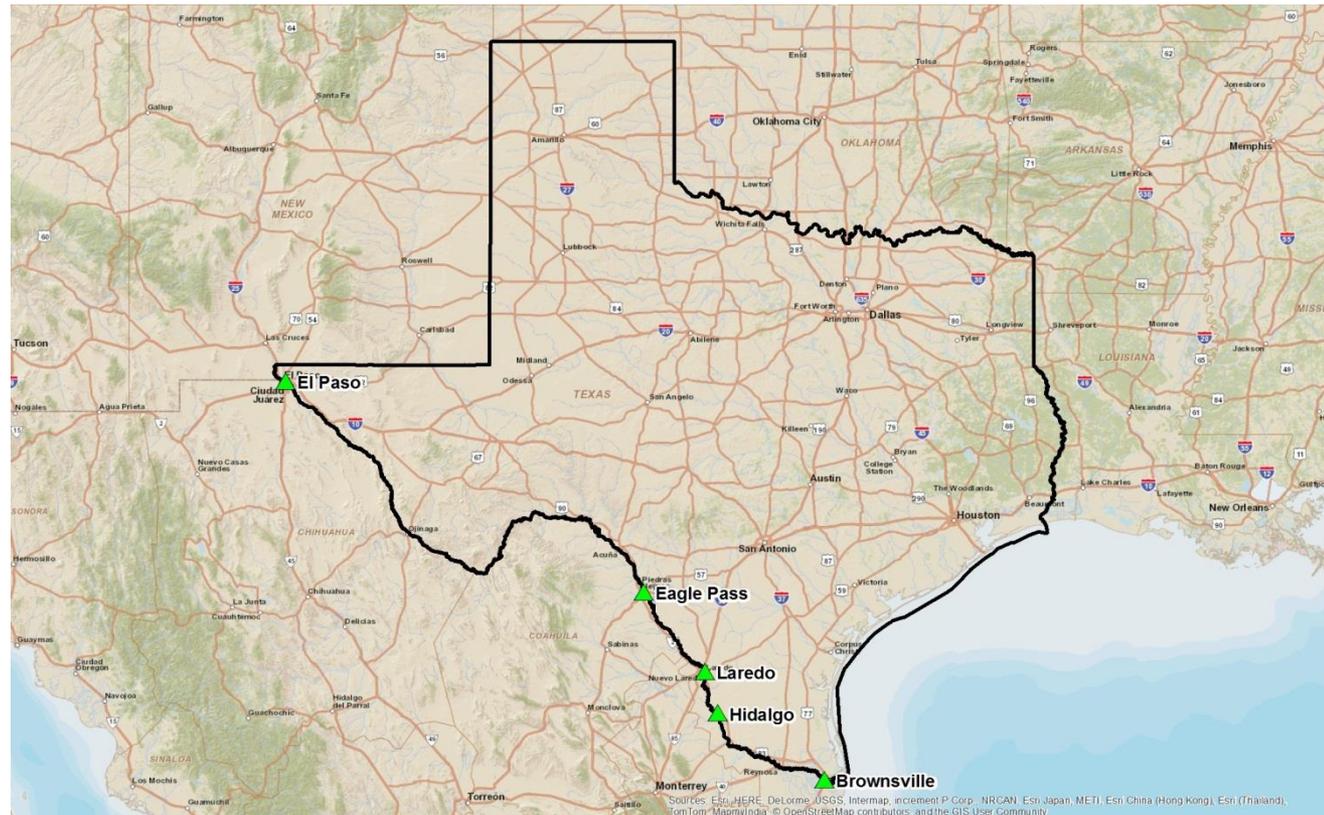
# CBSCN

- The locations were chosen based on their proximity to each country's available microwave sites, geographical diversity, and the ability of State, local and tribal law enforcement and public safety agencies to access the sites for future interconnection and cross border communications.
- The intent is for these network connections to initially be used to support communications between U.S. Federal agencies and like agencies in Mexico, and to also allow State, local, and tribal law enforcement and public safety agencies access to the network.

# CBSCN

- The United States and Mexico identified ten city-pair locations along the common international border for these cross border systems
- Five of the city-pair locations are in Texas

- El Paso
- Eagle Pass
- Laredo
- Hidalgo
- Brownsville



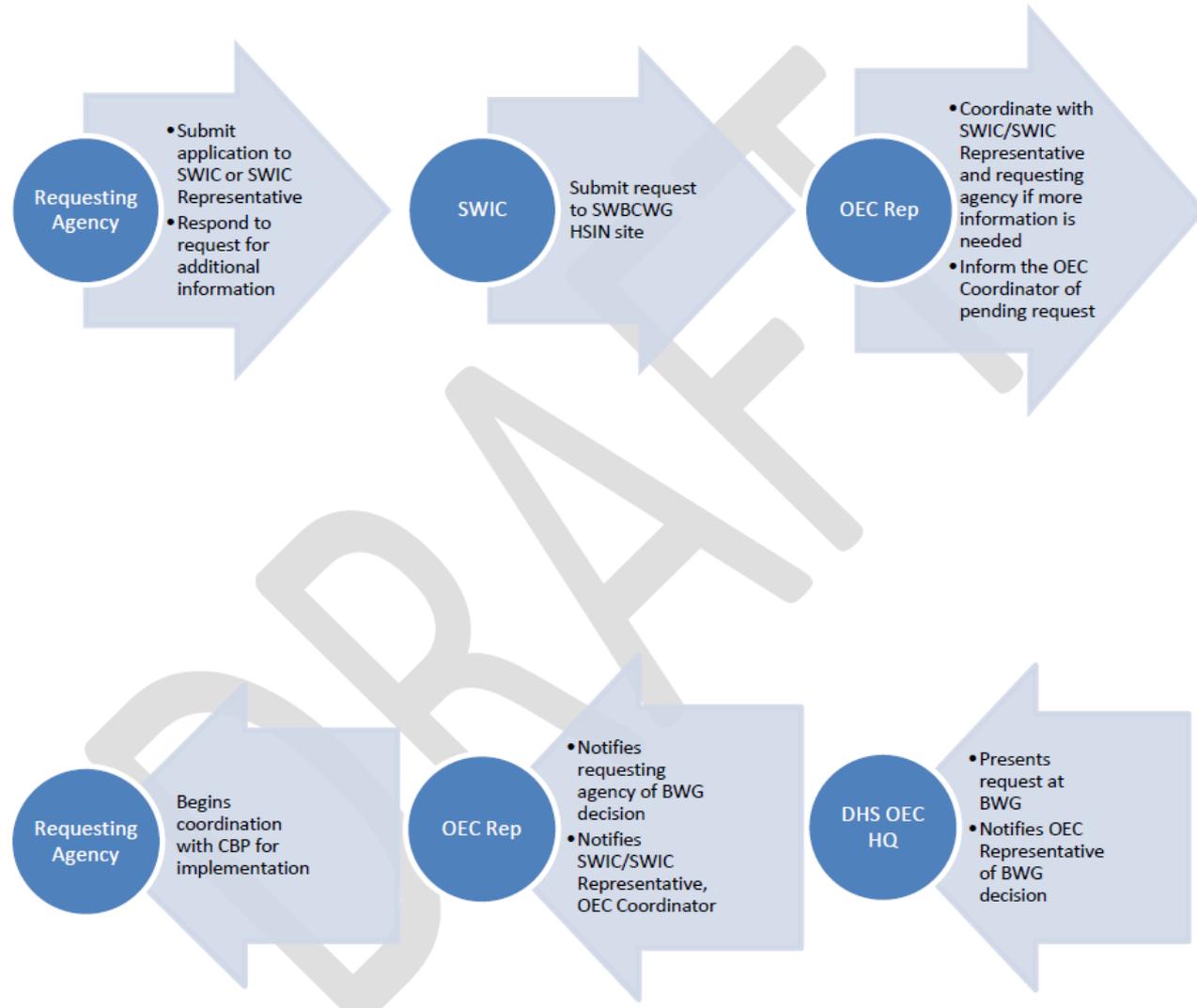
# CBSCN - Eligibility

- **Law Enforcement:** Federal, State, local and tribal government law enforcement officials
- **Fire Departments:** Command and other fire suppression and investigative personnel, responsible for directing fire emergencies at or near the shared border
- **Emergency Medical Services (EMS):** Transport ground and air EMS resources that respond to emergencies at or near the shared border
- **9-1-1 PSAPs/Public Safety Dispatch Centers:** Federal, State, local, and tribal dispatch centers that routinely deal with border emergencies and are legally licensed according to FCC rules to operate radio frequency resources
- **Other Key Responders:** Emergency coordinators or officials that have border security responsibilities and are authorized on a case-by-case basis based on specific regional requirements. Public works and transportation agencies, working under direction of law enforcement, EMS or fire departments, are also eligible to use the CBSCN

# CBSCN – Proposed Application Process

- Each State, Local, Tribal, and Public Security/Safety Organizations will submit an application for network access to their designated Statewide Interoperability Coordinator (SWIC)
- The SWIC will review and approve the request prior to submitting the application to the Office of Emergency Communications (OEC) Representative
- Agencies shall ensure the application includes the type of access being requested, a description of how the agency plans to connect to the CBSCN, and identify which agencies/organizations within Mexico they wish to connect to

# CBSCN – Proposed Application Process



# CBSCN – Implementation Process

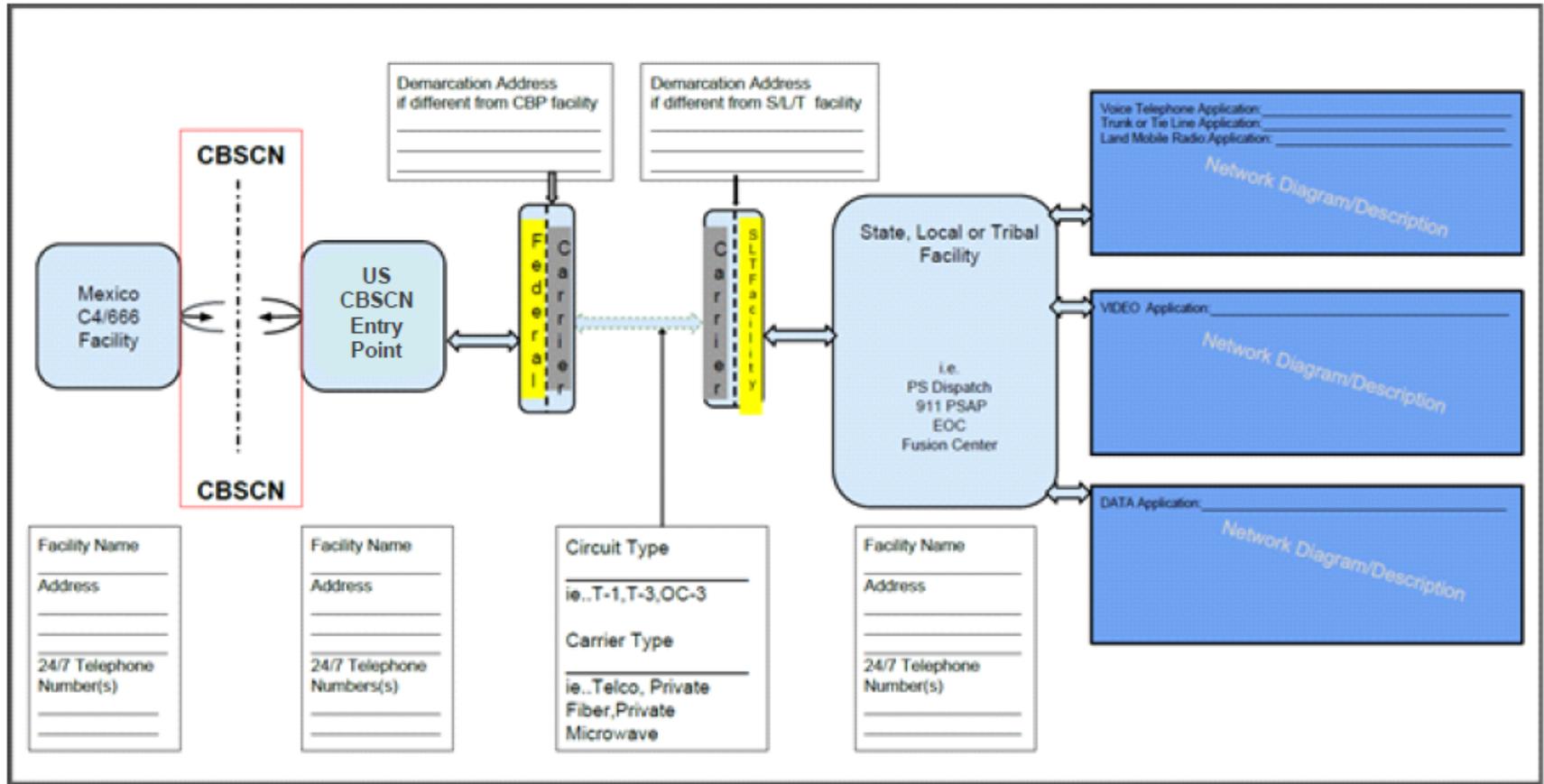
- Identify Project Manager or team lead responsible for coordinating the effort
- Develop a project plan. The project plan must include but is not limited to the following:
  - To whom and where the agency plans to connect
  - A communications plan (to include POC information for US and Mexico, stakeholders, project sponsors, etc.)
  - Preliminary Network Design, Specifications and proposed applications/connections [complete diagram including locations, call signs, and other station identifiers, proposed network connections, data flows, applications, computing resources connected, etc.] (see sample diagram below)
  - The Features/functions that will be utilized.
  - Types and amount of data/communications that will transverse the network
  - Amount and Type of Encryption
  - Quality of Services (QoS) levels being requested
  - Preliminary Project Schedule

# CBSCN – Implementation Process

- Confirm/identify funding (initial and O&M/fee for service models)
- Develop and submit a SOP. The SOP must include but is not limited to:
  - In which circumstances connections will be made
  - How the connections will be made
  - How O&M will be addressed
- Submit Project Plan and supporting information to OEC Representative(s)
- OEC will submit documentation to the current Network & System Security Engineering Authorities

# CBSCN – Implementation Process

Figure 2: Sample Network Diagram / Preliminary Network Design



# CBSCN – Application

## CROSS BORDER SECURITY COMMUNICATIONS NETWORK (CBSCN) APPLICATION FOR NETWORK ACCESS

Information for United States Applicant			
Date of Application			Region
Name of Organization/Agency			
Organization/Agency Address			
City	State	ZIP	
Name of Submitter			
OEC Representative for Organization			
SWIC POC (as applicable)			
Agency type			
<input type="checkbox"/> Law Enforcement	<input type="checkbox"/> Transportation	<input type="checkbox"/> National Guard or State Military Forces	
<input type="checkbox"/> Fire Department	<input type="checkbox"/> Non-Governmental (NGO) Support – Red Cross, Salvation Army, etc.	<input type="checkbox"/> Critical Infrastructure	
<input type="checkbox"/> Emergency Medical Services	<input type="checkbox"/> Weather Service	<input type="checkbox"/> 9-1-1/Public Safety Communications	
<input type="checkbox"/> Homeland Security	<input type="checkbox"/> Regulatory	<input type="checkbox"/> Local, Country, or State Governments	
<input type="checkbox"/> Other (Please Specify):			
Primary POC Information			
Name of Primary POC			
Primary POC's Title			
Primary POC's Email			
Name of Primary Technical POC			
Primary Technical POC's Title			
Primary Technical POC's Email			
Alternate POC Information			
Name of Alternate POC			
Alternate POC's Title			
Alternate POC's Email			
Name of Alternate Technical POC			
Alternate Technical POC's Title			
Alternate Technical POC's Email			

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Scenario Details		
Which scenario(s) apply to your organization? (as stated in Appendix 1B) (Select all that apply)		
<input type="checkbox"/> Natural Disaster	<input type="checkbox"/> Transnational Criminal Activity	<input type="checkbox"/> Terror Threats
<input type="checkbox"/> Medical Emergency	<input type="checkbox"/> Hazardous Materials	<input type="checkbox"/> Border Violence
<input type="checkbox"/> Information Sharing/Missing	<input type="checkbox"/> Escape and Evasion	<input type="checkbox"/> Other( Please Specify):
Funding		
Which type of funding will your organization use?		
<input type="checkbox"/> Federal Grants	<input type="checkbox"/> Federal Program	<input type="checkbox"/> State Program
<input type="checkbox"/> Other (Please Specify):		
Type of Connection(s) Requested		
Which type of request is this? (check all that apply)		
<input type="checkbox"/> Voice (LMR, Telephony)	<input type="checkbox"/> Data	<input type="checkbox"/> Video
Information for Mexican Organization		
Identify which Agencies/Organizations within Mexico you are wishing to connect to:		
Mexican Agency type		
<input type="checkbox"/> Law Enforcement	<input type="checkbox"/> Transportation	<input type="checkbox"/> National Guard or Military Forces
<input type="checkbox"/> Fire Department	<input type="checkbox"/> Non-Governmental (NGO) Support – Red Cross, Salvation Army, etc.	<input type="checkbox"/> Critical Infrastructure
<input type="checkbox"/> Emergency Medical Services	<input type="checkbox"/> Weather Service	<input type="checkbox"/> Other (Please Specify):
<input type="checkbox"/> Homeland Security	<input type="checkbox"/> Regulatory	<input type="checkbox"/> Local, Country, or State Governments
<input type="checkbox"/> 911/Public Safety Communications Center	<input type="checkbox"/> Local, Country, or State Governments	
Additional Details/Remarks		
Describe any additional details pertaining to this submission:		
		Date

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# CBSCN – Discussion

- Does your organization plan to use the CBSCN in the future?
  - Any initial thoughts for what purpose(s)?
  - For those potential usages, do you believe your agency has sufficient funding to enable and support a connection?
- What types of situations, scenarios, or requirements could you foresee that may require the use of the CBSCN?
  - Based on your understanding of CBSCN are there instances that may arise where the CBSCN may fall short of what is needed for cross-border communication?
- Are there any topics that need more focus within the CBSCN plan?

# CBSCN – Discussion

- What are good ways to get information about the CBSCN to the agencies that may be interested?
- What barriers do you foresee that may limit local and State entities use of the CSCBN?
- Is there additional information regarding the CSCBN, its capabilities and/or limitations that you/your agency requires in order to make decisions regarding potential use?
  - If so, what information is needed?
  - Is there information being requested that you believe is unnecessary?