



911 Applications Workshop: Infrastructure Considerations

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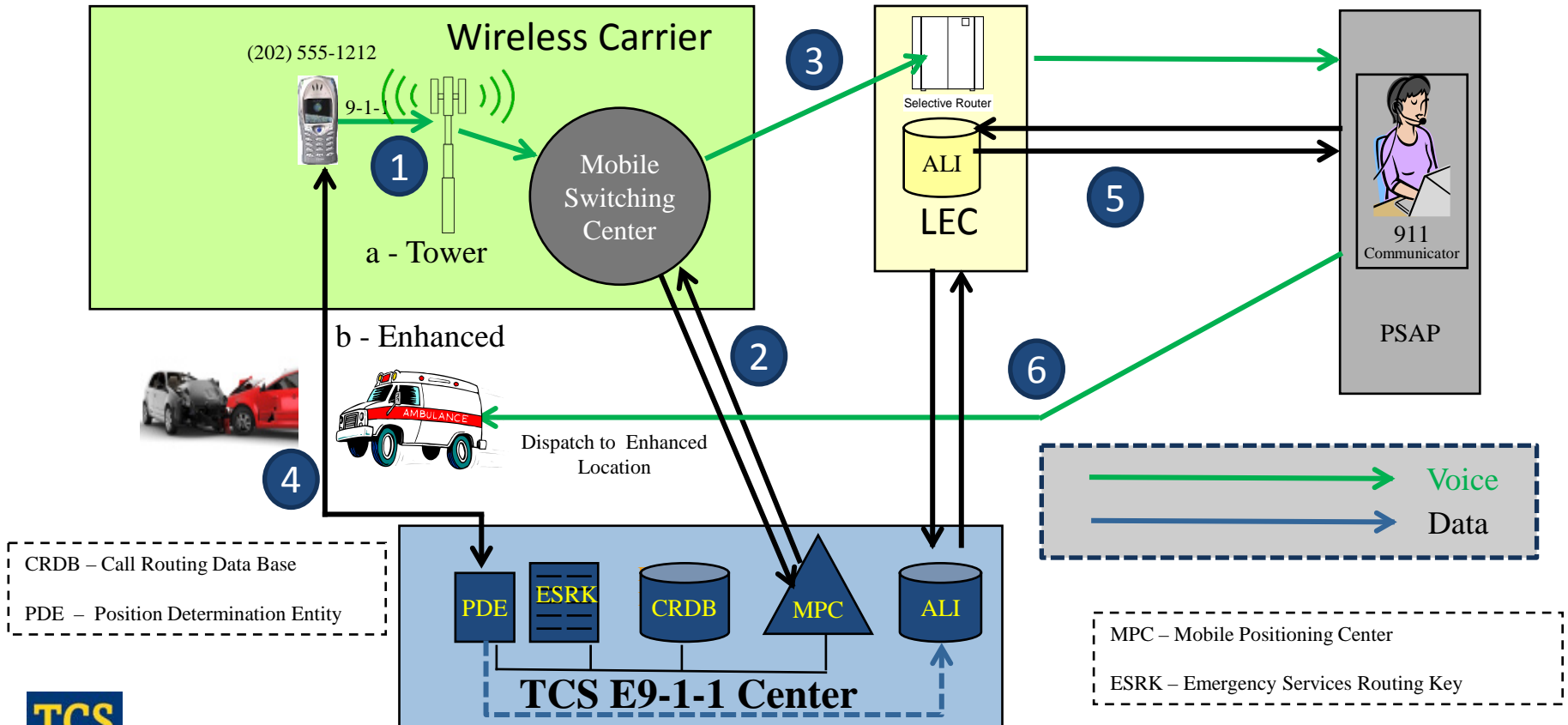
Making Connections that Matter®

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Wireless E9-1-1 Call/Data Flow: A Baseline

- 1: Person dials 9-1-1
- 2: MSC requests routing instructions
- 3: MSC routes call to nearest PSAP
- 4: E9-1-1 Center gets enhanced location
- 5: PSAP queries for enhanced location
- 6: PSAP dispatches assistance



Concerns Addressed at APCO Emerging Tech Forum

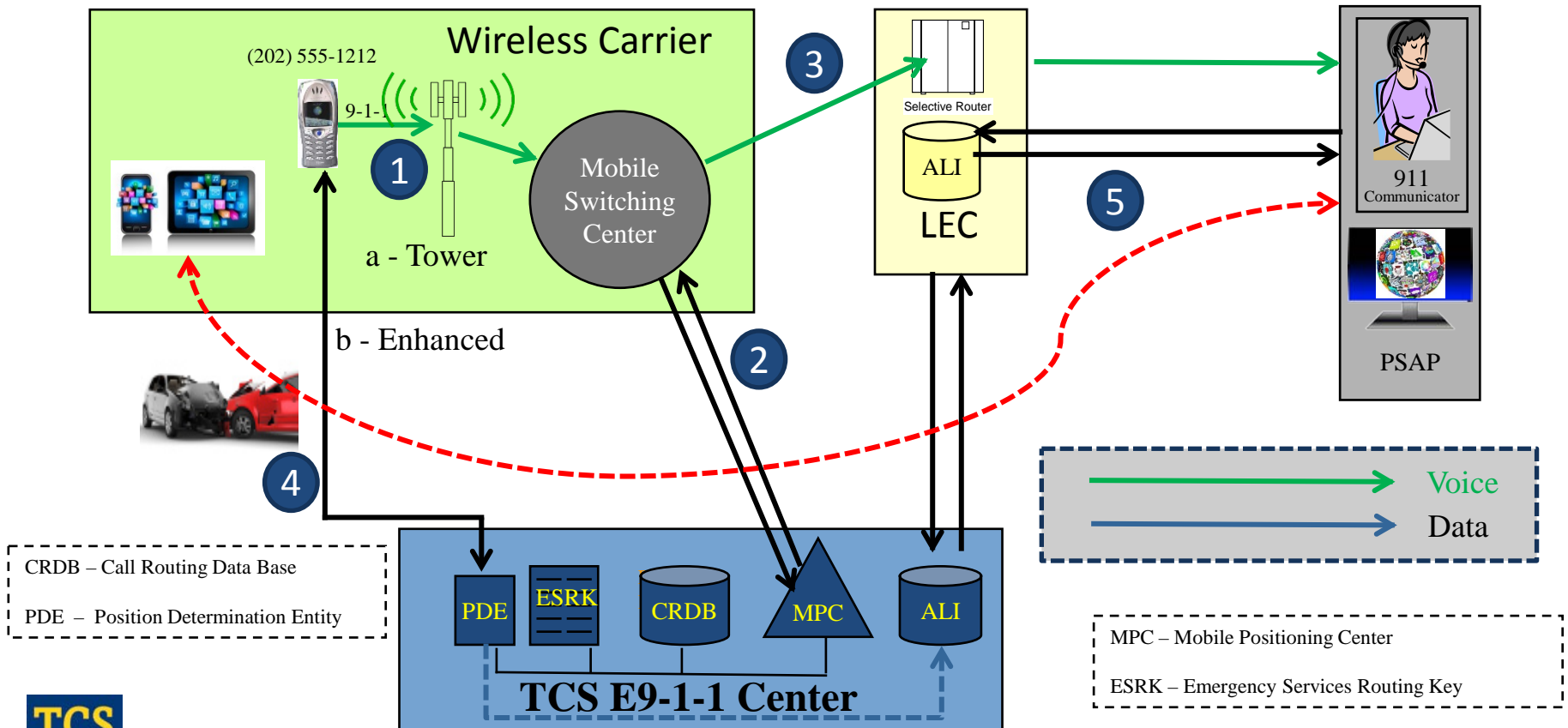
Full presentation available to 911AppsWorkshop@fcc.gov

- **Is 9-1-1 Location Technology Failing Us?**
- **The Challenge with Call Routing**
 - Tower-based routing requires call transfers
- **The Challenge with Enhanced Location**
 - Phase II only available in initial bid 30% of calls
- **The Challenge with Indoor Location**
 - Inability to get an enhanced (Phase II) location fix

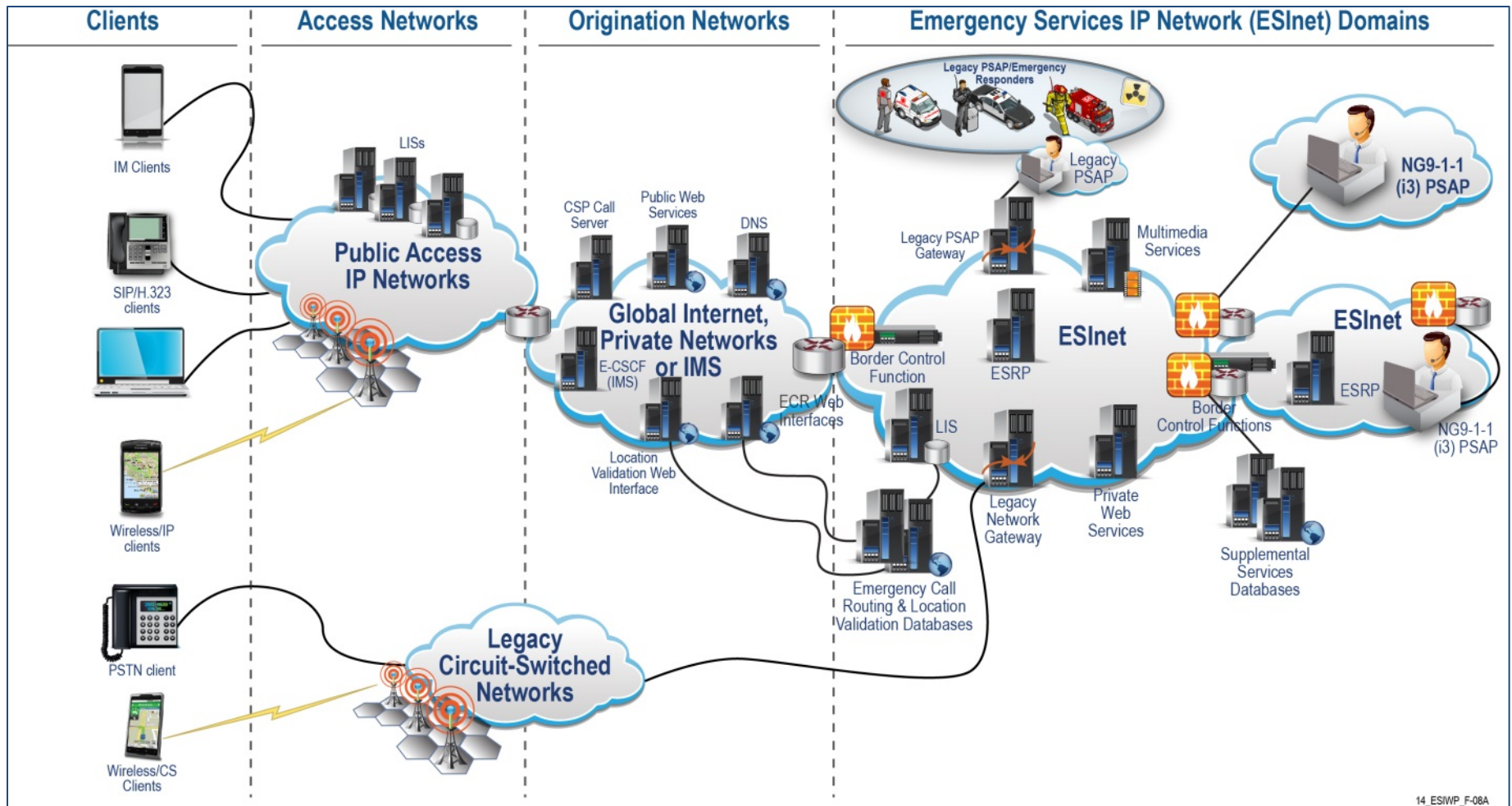
**Though these issues are being addressed,
can 911 Apps help?**

Application Danger: Multiple and Multi-Jurisdictional

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- 5: PSAP queries for enhanced location



ESInet – NG911 Architecture Can Support 911 Apps



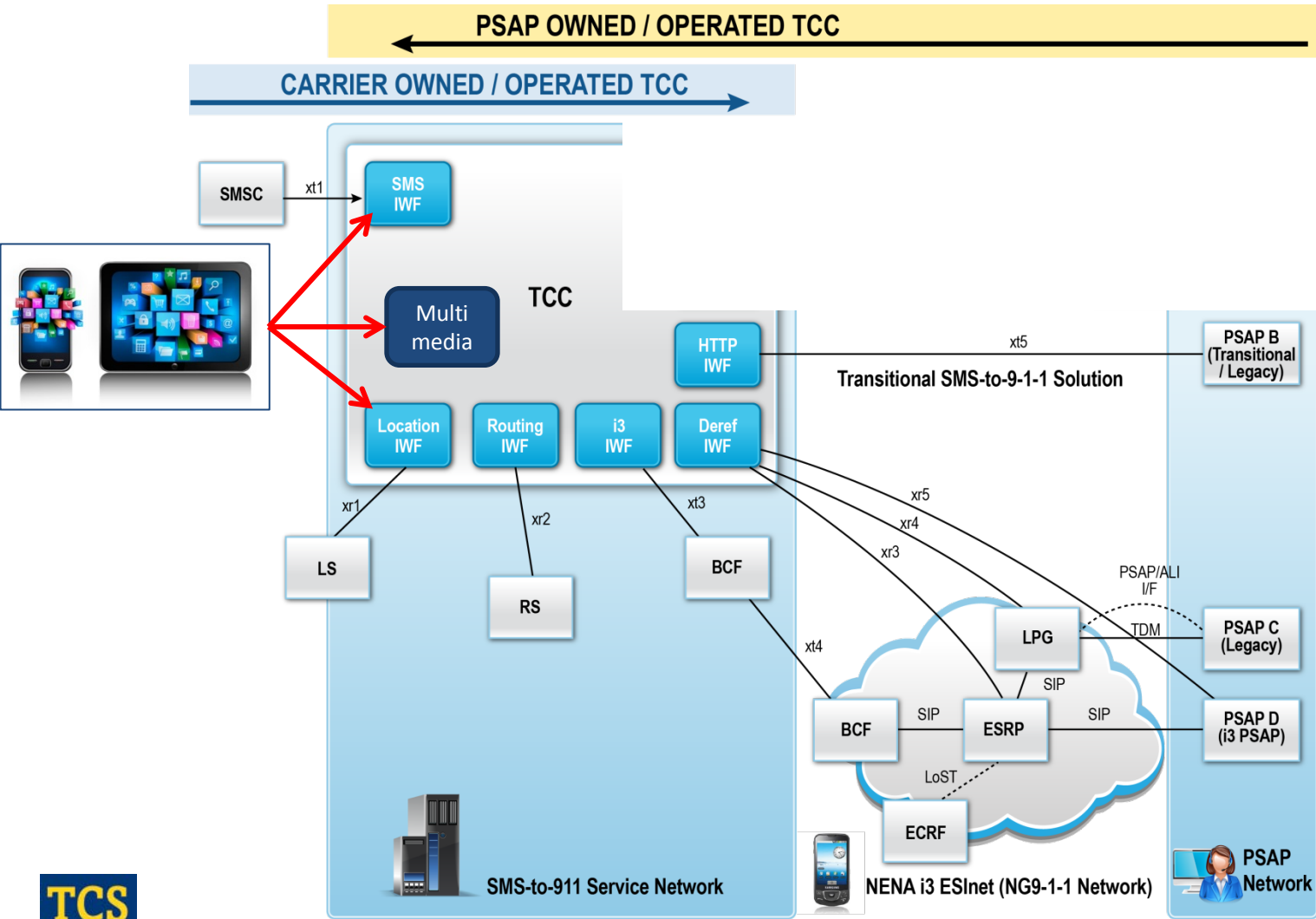
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Built to deliver voice, video & data from clients to PSAPs




Text Control Center: A Model for Opening Doors to Apps

Potential for a more immediate approach to Legacy systems as well



Questions

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