

Perry County 9-1-1

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NETWORK DIAGRAMS

EXHIBIT 10



Exhibit 10 Network Diagrams

June 2014

In each Diagram, the 9-1-1 call flow is reflected from Left to Right, from Access through the options of the Transport Carrier network, to the Selective Routers Existing and Future to the PSAPs serving the ETSB for call completion. The numbers of Trunks comes from PSAP documents.

All of Perry County is in the 618 Area Code. The 3 digit codes in the access column are the NXXs that belong to the Access Carriers all or in part. On any given day ~70% of the calls for 9-1-1 come from the Wireless and VoIP category of callers. The remaining ~30% originates in the Landline networks. If Perry County had calls routed from PS/ALI customers directly to the Selective Routers they would be shown as an additional Access category. There are no direct PS/ALI customers routing to PSAPs directly today.

The name of the Carrier and the Telecommunications Rate Center is provided in the Access category. The LERG assigned originating Switch Common Language Location Identifier (CLLI) is included if published or known to Perry County. Numbers of trunks are shown and the designation of Host and Remote is provided as appropriate in the case of the Wireline Carriers. Frontier Communications is the ILEC for Perry County. The only Independent ILEC is Egyptian Telephone in Perry County, which we have documented as a RLEC, Regional Local Exchange Carrier. 9-1-1 trunk groups for Host offices connect to the Legacy Selective Routers today. The Remote offices are on umbilical routes through the Host offices to get 9-1-1 traffic routed in all cases in Perry County. The Host office may be located in a County other than Perry. If so, the Host County name was designated.

Wireless Carriers sometimes route to the Perry County PSAPs through aggregation by another Carrier. For example, Intrado and TCS provide Aggregation and Routing services to some Wireless Carriers.

VoIP Carriers are often represented by Level 3 Communications who aggregates their traffic and in most cases, bringing that traffic into the Perry County network.

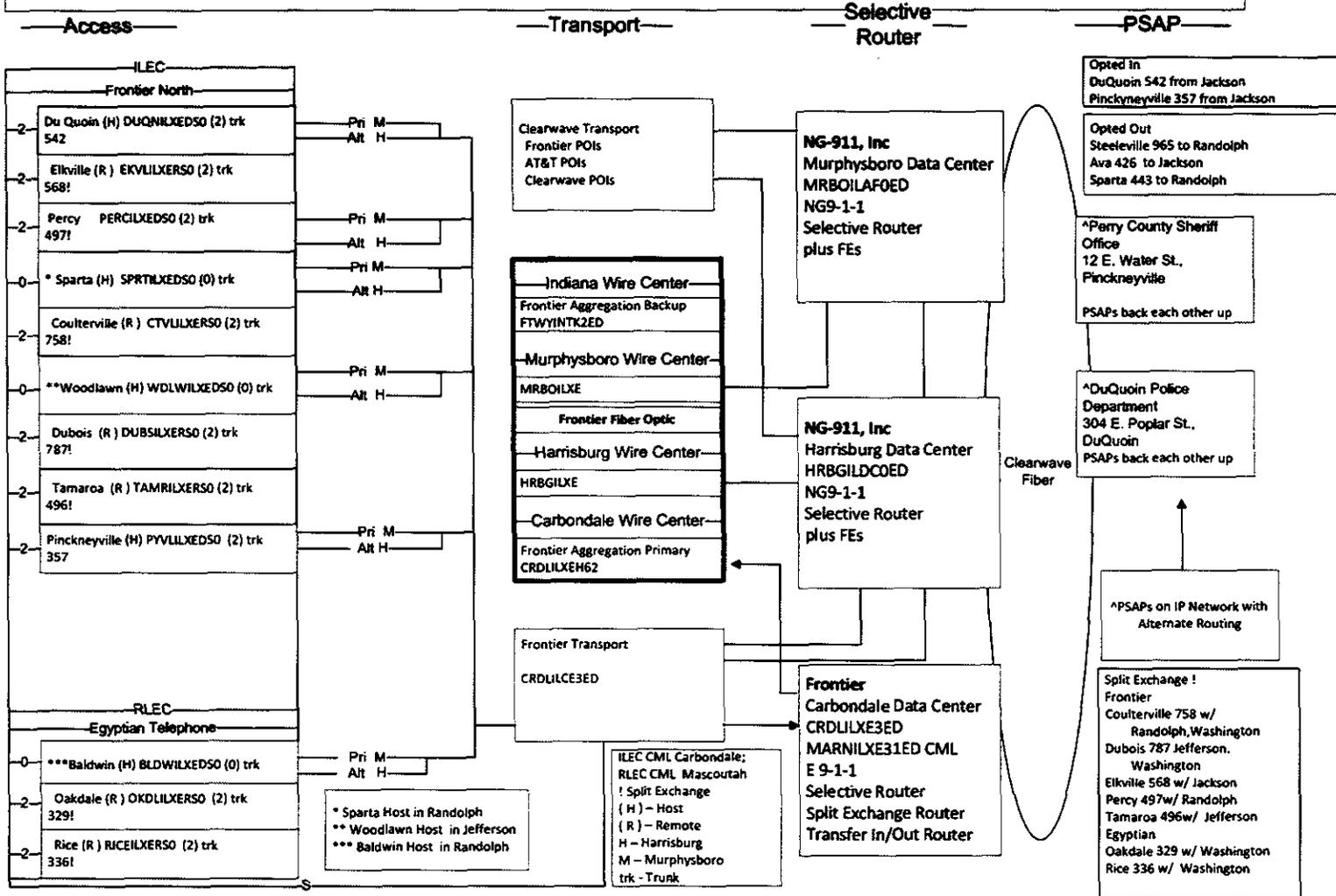
CLECS operate in the Perry County ETSB jurisdiction. The CLECS shown are facilities based Carriers. We show their CLLI if it is known. Some will connect directly such as Clearwave. Resellers will be handled by the underlying carrier.

Split Exchanges and those opted out are shown in the Narrative and on the Perry County Diagram. Frontier and NG-911, Inc. have a Database management agreement to use the legacy selective router as a Split Exchange Router for this application.

The Legacy Selective Router column name was retained in the new Diagrams, but what is called the "IP Selective Routers" are really the collection of FEs with all of the NG9-1-1 functions, security, database and routing in separate FEs housed in the 2 Data Centers.

The PSAPs are in the final column. For Perry County nothing changes except the calls come from the 2 Data Centers starting with this Perry County application.

NG-911, Inc. SSP-911 Illinois LATA: 362-520 NPA: 618 County: Perry



Perry County, IL – ETSB - Frontier Aggregation Solution Segment
of NG-911, Inc. Next Generation 9-1-1 Project - 2014

