



(U//FOUO) AURORAGOLD

(S//SI//REL) Project Overview: The mission of the AURORAGOLD (AG) project is to maintain data about international GSM/UMTS networks for the Wireless Portfolio Program Office (WPMO), the Target Technology Trends Center (T3C/SSG4), and their customers. Analysis of this data supports:

- a) An understanding of the current state,
- b) Trending, or time-series analysis, from the past through to the future, and
- c) Forecasting of the evolution of global GSM/UMTS-based networks.

This analysis and developmental activity is currently focusing only on GSM/UMTS infrastructure, voice-data convergence, UMTS technology migration, and UMTS technology deployments. Coincident beneficiaries of this mission are, among others, other NSA SIGDEV elements, protocol exploitation elements, and Five-Eyes Partner SIGDEV organizations.

(C//REL) Alignment: Supports NSA's and SID's imperative to "Know the Future."

(C//REL) Sponsors: WPMO/S3W

(C//REL) Customers: WPMO/S3W; T3C/SSG4; Various S3 collections organizations; numerous IC organizations

(C//REL) Architecture and Infrastructure: Custom-built application based on OZONE framework, using GOLDENCARRIAGE corporate servers for all application and data storage



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Will contain:

- Unclassified: Complete replica of Informa Telecoms and Media's World Cellular Information Service (WCIS) queryable database to eventually compare data against that collected from SIGINT
- Classified: SIGINT-collected IR.21 (International Roaming agreements) documents from around the world, parsed of their information, analyzed, and giving users the ability to trend this information over time (time-series analysis). In addition, e-mail selectors from within IR.21s and from SIGINT metadata captured, analyzed and managed back into the SIGINT system for enhanced collection

(C//REL) Content:

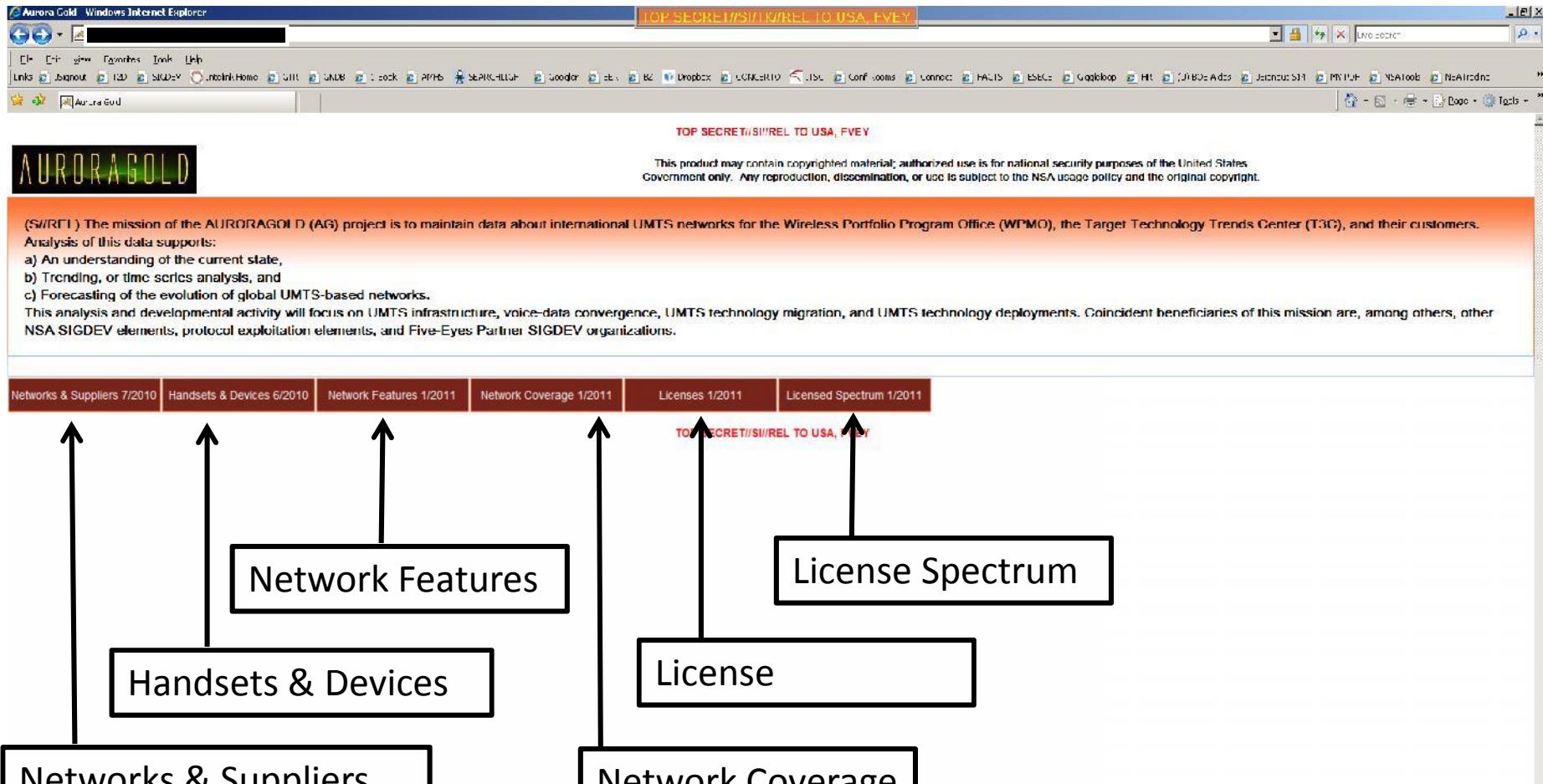
- Portion of the WCIS data available via NSANet GUI; remainder to be completed within 2-3 months
- Currently, Phase 1 contains a small database of worldwide wireless networks being compared against IR.21s from SIGINT to establish our “baseline”

(C//REL) Capabilities:

- Soon, complete WCIS repository to be copied to NSANet for querying by all NSA and 2P Partners
- Later, agile querying through entire IR.21 and WCIS databases, with capability to perform time-series analysis via visualization application



(U//FOUO) AURORAGOLD Repository





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(C//REL) Demonstration Script

- (Only capability currently available is basic querying against small portion of WCIS database)
- Go to [REDACTED]
- Click on any of the brown boxes
- Select your search criteria
- Select your query result criteria
- Click "Submit"
- View the results