(U//FOUO) META*LION*: A New PINWALE Search Engine for the Metadata Analyst

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Run Date: 12/05/2005

(C) Have you heard about the new PINWALE search engine called META *LION* ("meta-lion")? META *LION* supports the Agency's emerging metadata analysis strategy by allowing analysts to more smartly search against the large, rich repository of metadata associated with DNI (digital network intelligence) intercept. This search engine was introduced in May with little fanfare; the following will fill you in on its purpose and capabilities.

META *LION* - A Precision Search Tool :

(C) Analysts use metadata (*information associated with, but not including, content*) effectively in a variety of analytic activities -- such as target development, statistical analysis, and contact chaining -- to name just a few. Metadata is significantly easier to manipulate than raw text and is well suited for machine processing.

(C) Querying metadata via META *LION* allows the researcher to conduct a more precise search as compared to the performance of LIONHEART, the traditional PINWALE search tool. It does this by querying the indexed PINWALE DNI metadata archive (700 fields) directly-- rather than LIONHEART's search through the complete document (content and metadata) -- while still providing a link to the document for retrieval purposes. In other words, META *LION* searches a smaller, more structured, body of information. This search capability is enhanced by XML (eXtensible Mark-up Language) tagging and technologies.

(C) META *LION* should be used when only metadata needs to be queried. However, because metadata alone does not provide the analyst with a complete picture, LIONHEART is available for both content and metadata searches. In sum, the META *LION* search engine allows the analyst to:

- (U//FOUO) Quickly search the most recent (currently 13) months of PINWALE metadata;
- (U) Perform fielded queries on 20 metadata fields;
- (U//FOUO) Perform boolean searches on all 700 metadata fields with greater precision than can be obtained from LIONHEART; and
- (U) Return document text for viewing or follow-on processing.

META *LION* Instruction :

(U//FOUO) Search strategies can be quite different when querying metadata, as opposed to content, therefore some specialized instruction is recommended in order to effectively use this new tool. PINWALE offers several training opportunities for analysts who wish to learn more about META *LION* , as follows:

- (U//FOUO) Formal META *LION* instruction is now included within the NCS course TOOL3002, Improving Pinwale Queries. This course provides advanced training for all PINWALE search engines and is offered monthly on an open-seat basis.
- (U) A one-hour META *LION* training module suitable for inclusion in branch training activities.
- (U) Desk-side META *LION* training and assistance to individuals or small groups.
- (U) A short briefing on META *LION* capabilities.
- (U) META *LION* syntax and search strategies are covered in Volume II of the PINWALE Users Manual.

(C) The 700 metadata fields searchable in META *LION* are compliant with Agency metadata standards (CCDF 2.3 plus DIAMONDCHIP extensions). If target offices are interested, however, Technology Services/S21234 can concentrate development efforts toward moving to other

formats and metadata standards. To receive more information about META *LION* , request a manual, or schedule a training session, please contact PINWALE support at ███████ .

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