

<TOP SECRET STRAP 1>
VOICE/FAX USER GROUP
Minutes of December 2010 meeting

[REDACTED]

[REDACTED]

[REDACTED] rk

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

b) Google Earth and the B3M VI

The NSA speech research team (R66E) have a framework for the deployment of voice analytics called HLT (Human Language Technology) Labs:

[REDACTED]

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Within this they deploy speech activity detection, speaker and language id algorithms in much the same fashion as MCS do within B3M. For the forward deployment they have in Afghanistan, google earth has been integrated into the framework and it has been discovered that they are able to visualise occurrences where language id (LID) has identified Arabic being spoken. These occurrences have been mapped using the geo-location and cell tower information available with voicesail/GSM handsets. Certain clusters of these identifications have been found to indicate Al-Qaeda training camps. This unique combination of voice analytics and mapping software has provided unique and valuable intelligence.

[REDACTED] asked the VFUG representatives if this sort of capability would be useful for GCHQ linguists/analysts if google earth were to be made accessible from the BVI? While the example above cites language id, it could quite easily apply to other voice analytics or even non-content metadata should that prove to be of interest.

c) Speech deployments for December

i. Sorani Kurdish/Pashto/Brahui/Baluchi language id has been deployed against AQKB selectors for the benefit of the Sorani linguists in OPI~LANG and the Baluchi/Brahui linguists in OPI~SAAW.

ii. 2 speaker id systems have been deployed. The first is targeting the selectors associated with a mid-level Baluchi Taleban commander (OBJ BRUMBIES) for [REDACTED] OPI~SAAW. The other has been deployed against the communications of the Lebanese PM's Chief of Staff for [REDACTED] OPI~MEA.

iii. We intend to deploy a further 2 speaker id systems next week. The first targeting the Director General of Military Intelligence of Rwanda for [REDACTED] in the OPI~MEA Great Lakes Team. The second against the Lebanese President for [REDACTED] [REDACTED] also of OPI~MEA.

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]