Proposed Updates to ANSI/NIST-ITL 1-2005
UTF8, GPS, Tracking Subcommittee

Scott Hills, Aware, Inc.
Rob Mungovan, Aware, Inc.
Dale Hapeman, DOD-BFC
Tony Misslin, Identix
Bonny Scheier, Sabre
Ralph Lessman, Smiths-Heimann

Support for Submission Tracking Data

An additional section would be needed to describe this change. This could be section "8.1.16 Field 1.016: Submission Tracking Field (STF)"

This optional field is intended to provide a consistent, flexible, cross domain format, for tracking events related to the transaction during its lifetime. This information will be helpful in diagnosing problems and understanding the performance of a system. Each full entry in the STF field will include the time, agency, location and a text description of an event that affects the transaction.

 Events of interest might include:
- creation of the transaction
- validation of the transaction
- transaction receipt and/or forwarding by an intermediate agency
- changes to the priority, PRY of the transaction
- changes to the addressing of the transaction including the TCN, TCR, ORI or DAI
- changes to the information content perhaps due to conversions required to transition from one domain to another including the TOT field and information in the type 2 or other records.
- final archiving of a transaction.

Each event would be stored in a separate subfield starting with the initial event. Each subfield would consist of 5 data items:

GMT – Greenwich mean time. Identical definition to the old 1.014 field to allow backward compatibility

AGN – Identifier of the Agency which has recorded the event

LAT – Latitude of the location at which the event occurs in decimal degrees. The latitude value should be based on the WGS-84 datum.

LON – Longitude of the location at which the event occurs in decimal degrees. The longitude value should be based on the WGS-84 datum.

EVT – Free text description of the event.

<u>Example</u>

1.016:19991120235745Z<US>DCFBIWA6Z<US>39.144336<US>-77.216461 <US>Transaction Created<FS>

Addition of a similar field for Type 10-16 records

A similar field is proposed for Type 10 – 16 Records. Its purpose is to record events relevant to the creation of the biometric and its related data. These events could include the place and time of capture of the biometric, compression, quality analysis, etc .