WBU ISOG Carrier Identifier Testing

http://www.nabanet.com/wbuarea/library/docs/isog/presentations/2010/1.3.4.2 Nbr.1-WBU-ISOG-SUIRG-Carrier ID Spec For Video.pdf

Carrier Identifier Video Specification Details

Carrier Identifier Format	2 character string Numeric Only (Now ‘02’)
Comma Separator	1 character string
Encoder Manufacturer	5 character string (Name of Encoder Manufacturer e.g. VSL__)
Comma Separator	1 character string
Encoder Serial Number	12 character string (Electronic Serial Number of Encoder)
Comma Separator	1 character string
Carrier Identifier	5 character string (Name of Carrier Company)
Comma Separator	1 character string
Telephone Number	17 character string Numeric Only & the following “+”, “(” and “)” (Typically – Operator’s MCR/POC Number etc)
Comma Separator	1 character string
Longitude	9 character string (‘+000.0000’ to ‘+/-180.0000’) Numeric Only & the following “+”, “-” and “.”
Comma Separator	1 character string
Latitude	8 character string (‘+00.0000’ to ‘+/-90.0000’) Numeric Only & the following “+”, “-” and “.”
Comma Separator	1 character string
User Information	15 character string (Service Information/Other User Field, etc)
Total Character Count	80

Carrier Identification					
80 Character Maximum size for Carrier ID in the NIT				1 2 3 4 5 6 7 8 9 # 80	
WBU-ISOG Carrier ID Video Specification				02,VSL__,0123456789__,SIS__,+44(0)1923474069_,+000.0000,+00.0000,USER_INFO______	Example
Vendor	**NIT Present**	**Mfg. Support**	**Carrier ID Present**		**Conforms**
NTT	Yes PID 16	Yes	Yes	02,NEL__,E10041107___,ISOG_,+81454539601_____,+139.6442,+35.4799,_______________	Yes
IDC	Yes PID 16	Yes	Yes (1)	02,IDC__,1200001011__,IDC__,17058675309______,+57.675__,45.567__,MyUser_________	Yes
Harris	No	No	No		n/a
Ericsson	Yes PID 16	No	No		n/a
Ateme	Yes PID 16	No (2)	No		n/a
Adtec	Yes PID 16	No	No		n/a

Notes

1) Pre event streams did not contain carrier ID information, file recorded after encoder firmware v1.09.63 applied. File TS15_Carrier_ID-Oct-07.ts contains CID info.
2) Ateme advises CID is currently being implemented and is scheduled for release February 2012 in contribution encoders.

Carrier ID is easily extracted from recorded TS using any HEX editor software searching for the text string "02," or the hex string 30 32 2C