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**Digital broadcasting systems for television,
sound and data services;
Allocation of Service Information (SI) codes for
Digital Video Broadcasting (DVB) systems**

ETSI

European Telecommunications Standards Institute

ETSI Secretariat

Postal address: F-06921 Sophia Antipolis CEDEX - FRANCE

Office address: 650 Route des Lucioles - Sophia Antipolis - Valbonne - FRANCE

X.400: c=fr, a=atlas, p=etsi, s=secretariat - **Internet:** secretariat@etsi.fr

Tel.: +33 92 94 42 00 - Fax: +33 93 65 47 16

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Foreword

This ETSI Technical Report (ETR) has been produced under the authority of the Joint Technical Committee (JTC) of the European Broadcasting Union (EBU) and the European Telecommunications Standards Institute (ETSI) and in conjunction with the Digital Video Broadcasting (DVB) project.

This ETR is used to publish material, relating to the use or the application of DVB system related ETSs.

NOTE: This EBU/ETSI JTC was established in 1990 to co-ordinate the drafting of European Telecommunications Standards in the specific field of radio, television and data broadcasting.

The EBU is a professional association of broadcasting organisations whose work includes the co-ordination of its Members' activities in the technical, legal, programme-making and programme-exchange domains. The EBU has active members in about 60 Countries in the European Broadcasting area; its headquarters is in Geneva *.

* European Broadcasting Union
Case Postale 67
CH-1218 GRAND SACONNEX (Geneva)
Switzerland

Tel: +41 22 717 21 11

Fax: +41 22 717 24 81

Introduction

This ETR accompanies the various European Telecommunication Standards (ETSs) for the DVB system.

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1 Scope

This ETSI Technical Report (ETR) supplements the European Telecommunication Standard (ETS) ETS 300 468 [1] which describes the Service Information (SI) to be used with Digital Video Broadcasting (DVB) systems.

This ETR identifies the SI codes allocated for DVB systems. Four sets of code values are identified:

- the Network_id used to identify a network;
- the Bouquet_id used to identify a bouquet;
- the CA_system_id used to identify the kind of encryption used;
- the Country code used to identify a country or region.

These codes are allocated by the Joint Technical Committee (JTC) of the European Broadcasting Union (EBU) and the European Telecommunications Standards Institute (ETSI) at the request of potential service providers and once allocated, become part of ETS 300 468 [1] by reference.

2 References

This ETR incorporates by dated and undated reference, provisions from other publications. These references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this ETR only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

- [1] ETS 300 468: "Digital broadcasting systems for television, sound and data services; Specification for Service Information (SI) in Digital Video Broadcasting (DVB) systems".

3 Definitions and abbreviations

3.1 Definitions

For the purposes of this ETR, the definitions given in ETS 300 468 [1] apply.

3.2 Abbreviations

For the purposes of this ETR, the following abbreviations apply:

CA	Conditional Access
DVB	Digital Video Broadcasting
SI	Service Information

4 Register of Service Information (SI) codes

4.1 Network identification coding

The values given in table 1 are to be used to identify networks within the application area of ETS 300 468 [1], by insertion in the field network_id.

Table 1: Network_id

Network_id	Description	Network type	Operator
0x0000	Reserved	Reserved	Reserved
0x0001	Astra Satellite Network 19,2°E	Satellite	SES
0x0027	Hispasat 30°W	Satellite	Hispasat FSS
0x0028	Hispasat 30°W	Satellite	Hispasat DBS
0x0029	Hispasat 30°W	Satellite	Hispasat America
0x0035	Nethold Main Mux System	Local MPEG-2 Network	NetHold IMS
0x0040			HPT - Croatian Post and Telecommunications
0x0050			HRT - Croatian Radio and Television
0x0058	Thiacom 1 & 2 co-located 78.5°E	Satellite	Shinawatra Satellite
0x0069	Optus B3 156°E	Satellite	Optus Communications
0x0073	PanAmSat 4 68.5°E	Satellite	Pan American Satellite System
0x0085		Satellite	BetaTechnik
0x0090	National network	Terrestrial broadcast	TDF
0x00A0	National Cable Network	Cable	News Datacom
0x00A1	News Satellite Network	Satellite	News Datacom
0x00A2	News Satellite Network	Satellite	News Datacom
0x00A3	News Satellite Network	Satellite	News Datacom
0x00A4	News Satellite Network	Satellite	News Datacom
0x00A5	News Satellite Network	Satellite	News Datacom
0x00B4	Telesat 107.3°W	Satellite	Telesat Canada
0x00B5	Telesat 111.1°W	Satellite	Telesat Canada
0x013E	Eutelsat Satellite System 13°E	Satellite	European Telecommunications Satellite Organisation

4.2 Bouquet_id

The values given in table 2 are to be used to identify bouquets within the application area of ETS 300 468 [1], by insertion in the field bouquet_id.

Table 2: Bouquet_id

Bouquet_id	Bouquet name	Bouquet operator
0x0000	Reserved	Reserved
0x1000 - 0x101F	BSkyB n° (n°=1-32)	British Sky Broadcasting
0x2000	Kaleidascope Multichoice	Filmnet
0x3622	Irdeto Bouquet of Download data Services	Irdeto
0x4000	HPT	HPT
0x4010	HRT	HRT
0x5000 - 0x501F	BetaTechnik n° (n°=1-32)	BetaTechnik
0x6000 - 0x60BF	NDC n° (n°=1-192)	News Datacom

4.3 CA_system_id

The values given in table 3 are to be used to identify CA systems within the application area of ETS 300 468 [1], by insertion in the field CA_system_id.

Table 3: CA_system_id

CA_system_id values	CA system specifier
0x0000	Reserved
0x0001 to 0x00FF	Standardized systems
0x0100 to 0x01FF	Canal Plus
0x0200 to 0x02FF	CCETT
0x0300 to 0x03FF	Deutsche Telecom
0x0400 to 0x04FF	Eurodec
0x0500 to 0x05FF	France Telecom
0x0600 to 0x06FF	Irdeto
0x0700 to 0x07FF	Jerrold/GI
0x0800 to 0x08FF	Matra Communication
0x0900 to 0x09FF	News Datacom
0x0A00 to 0x0AFF	Nokia
0x0B00 to 0x0BFF	Norwegian Telekom
0x0C00 to 0x0CFF	NTL
0x0D00 to 0x0DFF	Philips
0x0E00 to 0x0EFF	Scientific Atlanta
0x0F00 to 0x0FFF	Sony
0x1000 to 0x10FF	Tandberg Television
0x1100 to 0x11FF	Thomson
0x1200 to 0x12FF	TV/Com
0x1300 to 0x13FF	HPT - Croatian Post and Telecommunications
0x1400 to 0x14FF	HRT - Croatian Radio and Television
0x1500 to 0x15FF	IBM
0x1600 to 0x16FF	Nera
0x1700 to 0x17FF	BetaTechnik

4.4 Country code values

The values given in table 4 are to be used to identify groups of countries or parts of countries within the application area of ETS 300 468 [1]. These are supplementary to ISO 3166.

Table 4: Country code values

Code	Grouping
900	Scandinavia
901	North America (Canada, Carribean, Mexico, United States of America)

4.5 Private data specifier values

The values given in table 5 are to be used to identify private SI by insertion in the field private_data_specifier.

Table 5: Private data specifier values

Private data specifier values	Organisation specifying private SI codes
0x00000000	Reserved
0x00000001	SES
0x00000002	BSkyB 1
0x00000003	BSkyB 2
0x00000004	BSkyB 3
0x000000BE	BetaTechnik
0x00006000	News Datacom
0x00006001	NDC 1
0x00006002	NDC 2
0x00006003	NDC 3
0x00006004	NDC 4
0x00006005	NDC 5
0x00006006	NDC 6
0x00362275	Irdeto
0x004E544C	NTL
0x00532D41	Scientific Atlanta
0x44414E59	News Datacom (IL) 1
0x46524549	News Datacom (IL) 1
0x53415053	Scientific Atlanta

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