

stream_content	component_type	Description
0x06	0xFF	reserved for future use
0x07	0x00 to 0x7F	reserved for DTS [®] and DTS-HD [®] audio modes (refer to annex G)
0x07	0x80 to 0xFF	reserved for future use
0x08	0x00	reserved for future use
0x08	0x01	DVB SRM data [49]
0x08	0x02 to 0xFF	reserved for DVB CPCM modes [46], [i.4]
0x09 to 0x0B	0x00 to 0xFF	reserved for future use
0x0C to 0x0F	0x00 to 0xFF	user defined

NOTE 1: The profiles and levels of the codecs mentioned in table 26 are as defined in TS 101 154 [9] and TS 102 005 [10].

NOTE 2: In table 26, the terms "standard definition", "high definition", "25 Hz" and "30 Hz" are used as defined in TS 101 154 [9] clauses 5.1 to 5.4 for MPEG-2 and 5.5 to 5.7 for H.264/AVC and clauses 5.8 to 5.11 for VC-1 respectively.

NOTE 3: See TS 101 547-3 [55] for further information on stereoscopic modes.

NOTE 4: 24 Hz video will also use this component_type.

NOTE 5: The specific audio description types indicating the use of broadcast-mix or receiver-mix audio should be preferred over these generic types. For more details see annex J.

NOTE 6: Audio streams using AAC or AAC (LC) audio shall use the corresponding HE-AAC values.

6.2.9 Content descriptor

The intention of the content descriptor (see table 27) is to provide classification information for an event.

Table 27: Content descriptor

Syntax	Number of bits	Identifier
content_descriptor() {		
descriptor_tag	8	uimsbf
descriptor_length	8	uimsbf
for (i=0; i<N; i++) {		
content_nibble_level_1	4	uimsbf
content_nibble_level_2	4	uimsbf
user_byte	8	uimsbf
}		
}		

Semantics of the content descriptor:

content_nibble_level_1: This 4-bit field represents the first level of a content identifier. This field shall be coded according to table 28.

content_nibble_level_2: This 4-bit field represents the second level of a content identifier. This field shall be coded according to table 28.

user_byte: This 8-bit field is defined by the broadcaster.

Table 28: Content nibble level 1 and 2 assignments

content_nibble_level_1	content_nibble_level_2	Description
0x0	0x0 to 0xF	undefined content
		Movie/Drama:
0x1	0x0	movie/drama (general)
0x1	0x1	detective/thriller
0x1	0x2	adventure/western/war
0x1	0x3	science fiction/fantasy/horror
0x1	0x4	comedy
0x1	0x5	soap/melodrama/folkloric
0x1	0x6	romance
0x1	0x7	serious/classical/religious/historical movie/drama
0x1	0x8	adult movie/drama
0x1	0x9 to 0xE	reserved for future use
0x1	0xF	user defined

content_nibble_level_1	content_nibble_level_2	Description
		News/Current affairs:
0x2	0x0	news/current affairs (general)
0x2	0x1	news/weather report
0x2	0x2	news magazine
0x2	0x3	documentary
0x2	0x4	discussion/interview/debate
0x2	0x5 to 0xE	reserved for future use
0x2	0xF	user defined
		Show/Game show:
0x3	0x0	show/game show (general)
0x3	0x1	game show/quiz/contest
0x3	0x2	variety show
0x3	0x3	talk show
0x3	0x4 to 0xE	reserved for future use
0x3	0xF	user defined
		Sports:
0x4	0x0	sports (general)
0x4	0x1	special events (Olympic Games, World Cup, etc.)
0x4	0x2	sports magazines
0x4	0x3	football/soccer
0x4	0x4	tennis/squash
0x4	0x5	team sports (excluding football)
0x4	0x6	athletics
0x4	0x7	motor sport
0x4	0x8	water sport
0x4	0x9	winter sports
0x4	0xA	equestrian
0x4	0xB	martial sports
0x4	0xC to 0xE	reserved for future use
0x4	0xF	user defined
		Children's/Youth programmes:
0x5	0x0	children's/youth programmes (general)
0x5	0x1	pre-school children's programmes
0x5	0x2	entertainment programmes for 6 to 14
0x5	0x3	entertainment programmes for 10 to 16
0x5	0x4	informational/educational/school programmes
0x5	0x5	cartoons/puppets
0x5	0x6 to 0xE	reserved for future use
0x5	0xF	user defined
		Music/Ballet/Dance:
0x6	0x0	music/ballet/dance (general)
0x6	0x1	rock/pop
0x6	0x2	serious music/classical music
0x6	0x3	folk/traditional music
0x6	0x4	jazz
0x6	0x5	musical/opera
0x6	0x6	ballet
0x6	0x7 to 0xE	reserved for future use
0x6	0xF	user defined
		Arts/Culture (without music):
0x7	0x0	arts/culture (without music, general)
0x7	0x1	performing arts
0x7	0x2	fine arts
0x7	0x3	religion
0x7	0x4	popular culture/traditional arts
0x7	0x5	literature
0x7	0x6	film/cinema
0x7	0x7	experimental film/video
0x7	0x8	broadcasting/press
0x7	0x9	new media
0x7	0xA	arts/culture magazines
0x7	0xB	fashion
0x7	0xC to 0xE	reserved for future use

content_nibble_level_1	content_nibble_level_2	Description
0x7	0xF	user defined
Social/Political issues/Economics:		
0x8	0x0	social/political issues/economics (general)
0x8	0x1	magazines/reports/documentary
0x8	0x2	economics/social advisory
0x8	0x3	remarkable people
0x8	0x4 to 0xE	reserved for future use
0x8	0xF	user defined
Education/Science/Factual topics:		
0x9	0x0	education/science/factual topics (general)
0x9	0x1	nature/animals/environment
0x9	0x2	technology/natural sciences
0x9	0x3	medicine/physiology/psychology
0x9	0x4	foreign countries/expeditions
0x9	0x5	social/spiritual sciences
0x9	0x6	further education
0x9	0x7	languages
0x9	0x8 to 0xE	reserved for future use
0x9	0xF	user defined
Leisure hobbies:		
0xA	0x0	leisure hobbies (general)
0xA	0x1	tourism/travel
0xA	0x2	handicraft
0xA	0x3	motoring
0xA	0x4	fitness and health
0xA	0x5	cooking
0xA	0x6	advertisement/shopping
0xA	0x7	gardening
0xA	0x8 to 0xE	reserved for future use
0xA	0xF	user defined
Special characteristics:		
0xB	0x0	original language
0xB	0x1	black and white
0xB	0x2	unpublished
0xB	0x3	live broadcast
0xB	0x4	plano-stereoscopic
0xB	0x5	local or regional
0xB	0x6 to 0xE	reserved for future use
0xB	0xF	user defined
0xC to 0xE	0x0 to 0xF	reserved for future use
User defined:		
0xF	0x0 to 0xF	user defined

6.2.10 Country availability descriptor

In order to identify various combinations of countries efficiently, the descriptor may appear twice for each service, once giving a list of countries and/or groups of countries where the service is intended to be available, and the second giving a list of countries and/or groups where it is not. The latter list overrides the former list. If only one descriptor is used, which lists countries where the service is intended to be available, then it indicates that the service is not intended to be available in any other country. If only one descriptor is used, which lists countries where the service is not intended to be available, then it indicates that the service is intended to be available in every other country. If no descriptor is used, then it is not defined for which countries the service is intended to be available (see table 29).