

ITU Telecommunication Standardization Sector
Study Group 15
Experts Group for Video Coding and Systems in
ATM and Other Network Environments

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SOURCE : Japan
TITLE : Clarification of descriptor usage
PURPOSE: Proposal

1.Introduction

In ITU-T draft Rec.H.222.0 : DIS ISO/IEC 13818-1, the following five fields are provided to contain descriptors:

- CA section
- TS_program_map_section, of a program
- TS_program_map_section, of an elementary stream
- program_stream_map, of a program
- program_stream_map, of an elementary stream.

However, it is not clear which field the descriptors should be written in. In this document, we propose to include an additional table and its notes to clarify the usage of each descriptor.

2. Additional table

We propose the following table and notes to be added in ITU-T draft Rec.H.222.0 : ISO/IEC DIS 13818-1.

tag	descriptor	for program in TS/PS	for ES in TS/PS	for CA
2	video_stream_descriptor	X[1]	X[2]	.
3	audio_stream_descriptor	X[1]	X[2]	.
4	hierarchy_descriptor	.	X	.
5	registration_descriptor	.	X	.
6	data_stream_alignment_descriptor	.	X	.
7	target_background_grid_descriptor	X[1]	X[2]	.
8	video_window_descriptor	X[1]	X[2]	.
9	CA_descriptor	X	X	X[3]
10	ISO_639_language_descriptor	X[1]	X[2]	.
11	system_clock_descriptor	X	.	.
12	multiplex_buffer_utilization_descriptor	.	X	.
13	copyright_descriptor	X	X	.
14	maximum bitrate descriptor	X	X	.
15	private data indicator descriptor	X	X	.

X = corresponding descriptor is applicable. . = corresponding descriptor is inhibited.

NOTES

- [1] When a descriptor is present in a field of a program, the information in this descriptor is applied to all the associated elementary streams of the program. In this case, if an elementary stream is separated from the program, the descriptor of the program must be copied to the separated elementary stream.
- [2] When descriptors of the same type are present in the fields of a program (case [1]) and its elementary stream, the contents of these descriptors must be identical. In this case, the descriptor of the elementary stream may be omitted.
- [3] CA_descriptor must be present, when any CA_descriptors are present in fields of a program or elementary streams.

3.Conclusion

To clarify the usage of descriptors, an additional table for ITU-T draft Rec.H.222.0 : ISO/IEC DIS 13818-1 has been proposed.