

AudioScience

IEEE P1722.1
Descriptor Common Fields

Eliot Blennerhassett, AudioScience Inc

Descriptor ID type

- Every descriptor begins with a unique ID
- This ID is composed of two 16-bit values
 - descriptor_type
 - descriptor_ ~~id~~ index (unique per-type)
- Rather than repeating these two fields, define data type DESCRIPTOR_ID with these fields
- Use it wherever the 2 fields currently appear.
descriptor_type/id, control_location_type/id,
signal_type/id

Object name and label

- Every (?many?) descriptor contains a `<descriptor_type>_name` field (64 octet UTF8), and a `<descriptor_type>_name_string` field
- Change these two fields to
 - `descriptor_label` (64 octet writeable UTF8)
 - `descriptor_name` (localised string reference)
- And place them after `descriptor_id`

Descriptor Common fields

Offset (octets)	Length (octets)	Name	Description
0	4	descriptor_id	DESCRIPTOR_ID type (see Section ## Descriptor ID)
4	2	descriptor_name	The localized string reference pointing to the localized name for the described object. See Section 7.3.5, “Localized String Reference”
6	64	descriptor_label	64 octet UTF-8 label for described object. (May be writeable)
70		The rest	

Descriptors lacking label/name are port, audio_map, locale, matrix_signal