

Options to describe interface A

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Abstract

- **This contribution discusses possible options to define Interface A based on the issues raised in the contribution 122r0**
- **Two options are described**
 - Current definition (normative)
 - Definition proposed in 122r0 (informative)
- **The purpose of this contribution is to discuss in details what changes have to be made to the draft if proposal in contribution 122r0 is accepted by the TG**

Current definition

- **In the NORMATIVE clause 3**
 - Interface A is shown to be within the scope of 802.19.1
 - CE functionality related to communication with WSO is described
 - Interface A is described
- **In the NORMATIVE clause 4**
 - Reference model is defined
 - Primitives for COEX_MEDIA_SAP are defined
- **In the NORMATIVE clause 5**
 - Primitives of the COEX_MEDIA_SAP are used to define procedures
- **In the NORMATIVE clause 6**
 - Primitives of the COEX_MEDIA_SAP are used to define CE state diagram

Current definition

- **In the current draft, interface A, COEX_MEDIA_SAP and its primitives including data type are in the NORMATIVE part**
- **This makes COEX_MEDIA_SAP primitives and data types mandatory for CE implementation**
- **This does not make COEX_MEDIA_SAP primitives and data types mandatory for WSO implementation**
 - “The base station management entity (i.e., WSO management entity) provides the coexistence primitive mapping (CXPM) service
 - The CXPM converts CX_MEDIA_SAP primitives into TVBD-specific management/control primitives”

Definition proposed in 122r0

- **Contribution 122r0 proposes to make definition of Interface A (or at least the most part of it) INFORMATIVE**
 - “The IEEE 802.19.1 specification shall not mandate implementation of the interface A”
 - “The IEEE 802.19.1 specification shall not force a CE to use the COEX_MEDIA_SAP primitives”
- **This will require quite a lot modifications to the current draft**

Definition proposed in 122r0

- **Modifications to the NORMATIVE clause 3**
 - Definition of Interface A shall be clearly shown and described to be outside of the scope of 802.19.1
- **Modifications to the NORMATIVE clause 4**
 - Whole clause 4 shall be moved to the informative annex
- **Modifications to the NORMATIVE clause 5**
 - Primitives of the COEX_MEDIA_SAP shall not be used to define procedures
 - Possible example is provided in the next slide
- **Modifications to the NORMATIVE clause 6**
 - Primitives of the COEX_MEDIA_SAP shall not be used to define CE state diagrams

Definition proposed in 122r0

- **Possible example to define a procedure**
 - Figure does not show primitives
 - Information to be obtained from WSO and information/requests to be sent to WSO are defined as a set of parameters, but data types of these parameters and how they are grouped into primitives are not defined
 - Reference is provided to the INFORMATIVE annex Reference Model that shows an example of implementation of the interface A