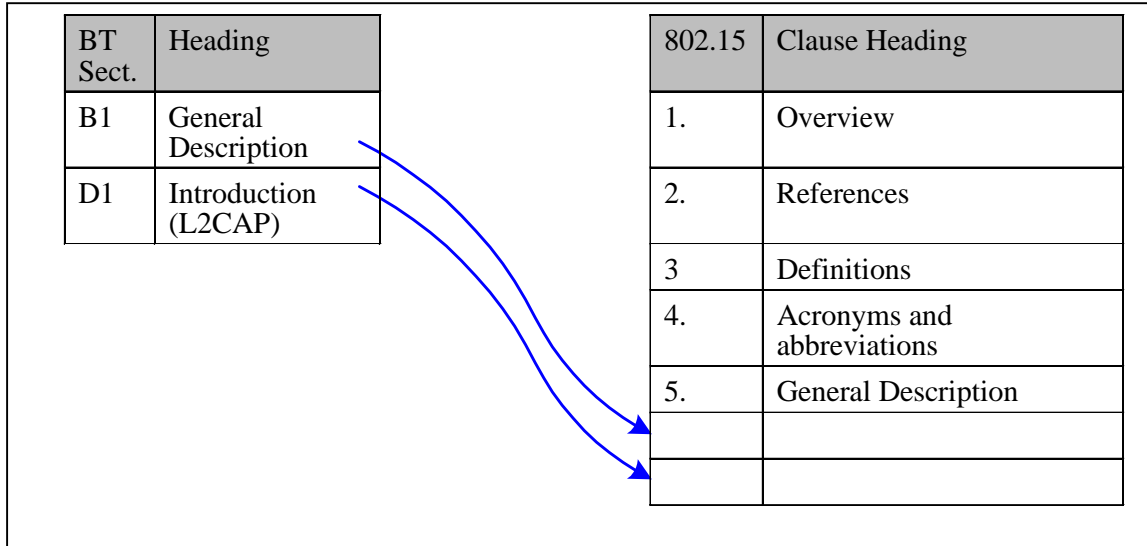
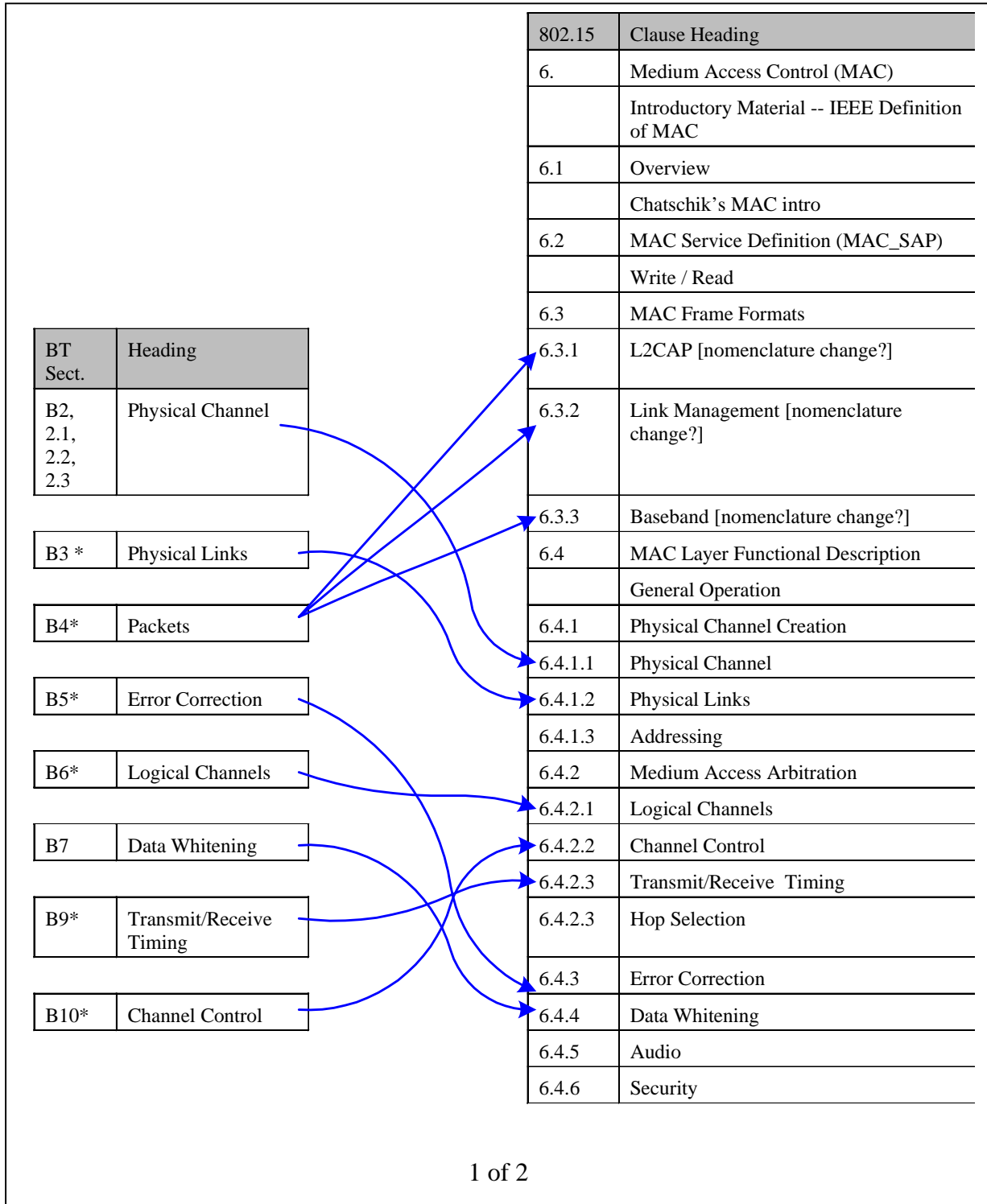

IEEE P802.15
Wireless Personal Area Networks

Project	IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs)		
Title	Mapping Between Bluetooth Spec and 802.15.1		
Date Submitted	18 August 1999		
Source	[Tom Siep] [Texas Instruments] [8505 Forest Lane]	Voice: Fax: E-mail:	[(972) 480-6786] [(972) 480-6552] [siep@ti.com]
Re:	Submission, revision 4. Made MAC mapping more readable by breaking up into two diagrams. NOTE: When Bluetooth Section numbers have an * next to them, it indicates that in includes all levels below		
Abstract	Chart describing the extraction of the Bluetooth Core Specification 1.0 into IEEE 802 format.		
Purpose	Discussion of mapping and a tool for definition of work to be done in creating a Draft Standard		
Notice	This document has been prepared to assist the IEEE P802.15. It is offered as a basis for discussion and is not binding on the contributing individual(s) or organization(s). The material in this document is subject to change in form and content after further study. The contributor(s) reserve(s) the right to add, amend or withdraw material contained herein.		
Release	The contributor acknowledges and accepts that this contribution becomes the property of IEEE and may be made publicly available by P802.15.		

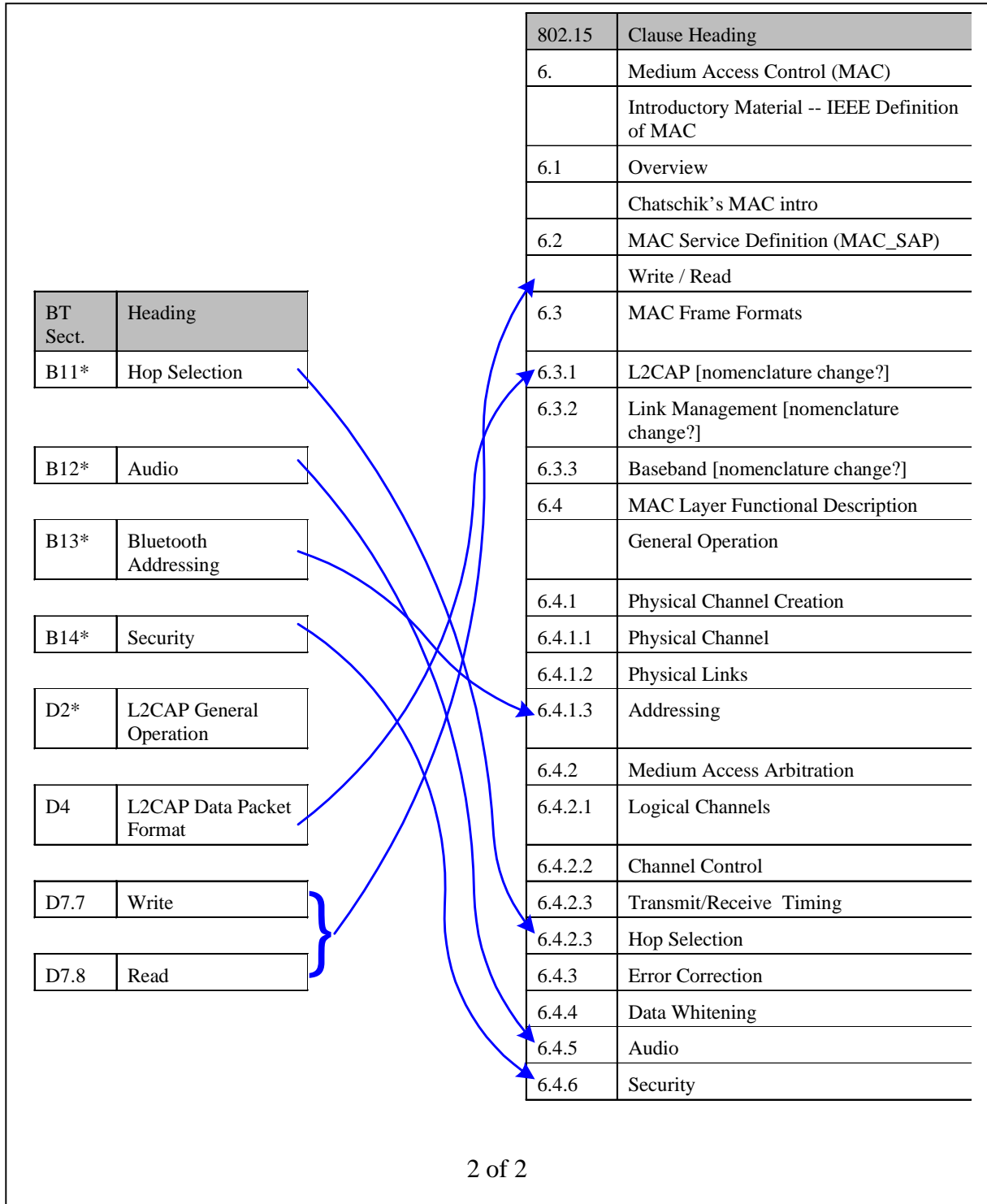
IEEE 802.15.1 Introductory Pages



IEEE 802.15.1 MAC



IEEE 802.15.1 MAC



IEEE 802.15.1 PHY

BT Sect.	Heading	802.15	Clause Heading
A1	SCOPE	7.	Physical Layer
A2	Frequency Bands And Channel Arrangement		Chatschik's PHY Description
A3	Transmitter Characteristics	7.1	PHY Service Specification
A4	Receiver Characteristics		(Imputed from Bluetooth spec)
B2.4	Modulation and Bit Rate	7.2	PHY Frame Formats PHY Medium Transmissions
		7.2.1	Frequency Bands And Channel Arrangement
		7.2.2	Modulation and Bit Rate
		7.3	PHY Layer Functional Description
		7.3.1	Transmitter Characteristics
		7.3.2	Receiver Characteristics

IEEE 802.15.1 Layer Management

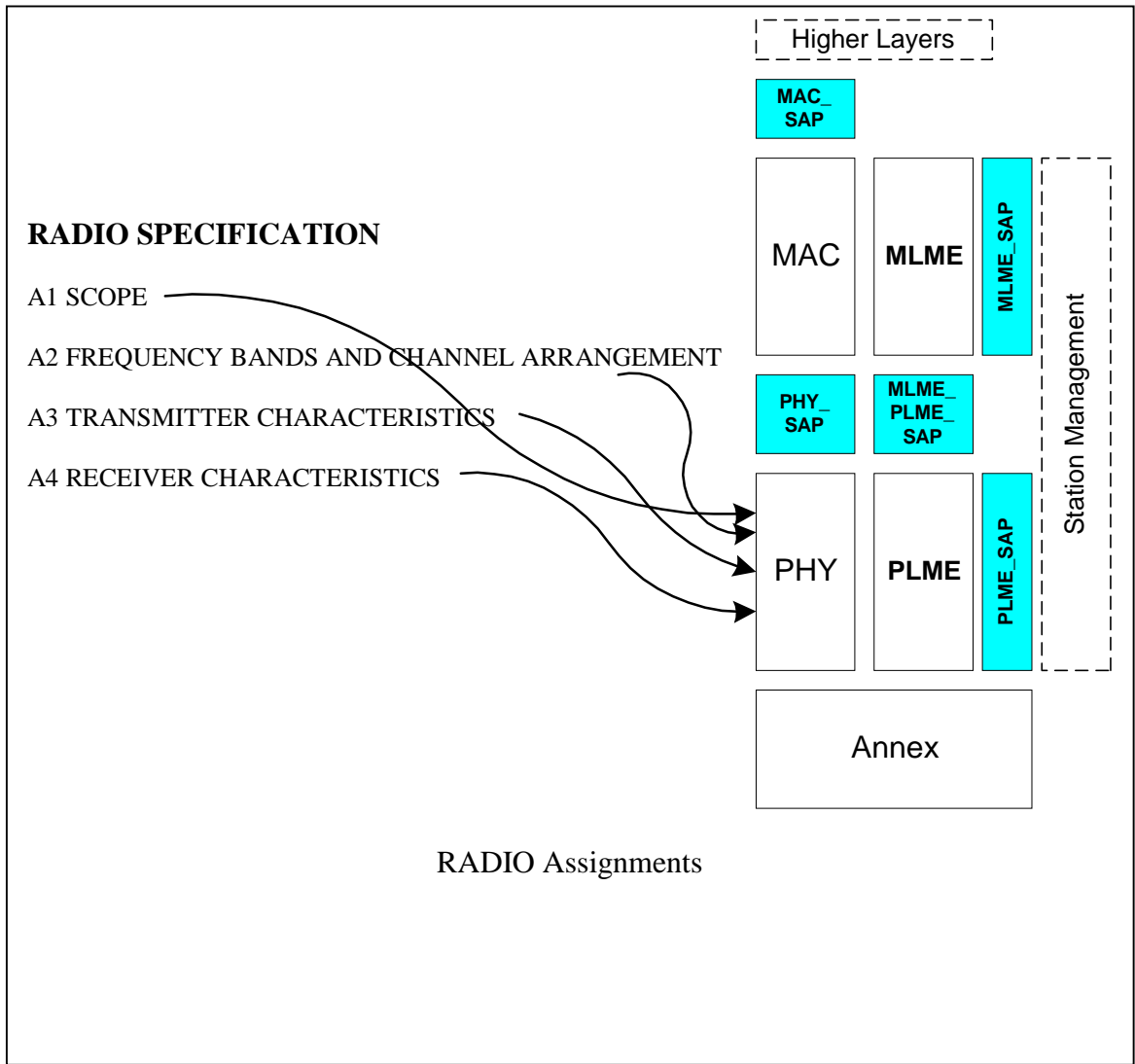
BT Sect.	Heading	802.15	Clause Heading
B14, except B14.3.4 to B14.3.6	Bluetooth Security	8.	Layer Management
C*	LMP	8.1	Overview
D5	Signaling		IEEE Discussion of Layer Management
D6	Configuration Parameter Options	8.2	MAC Layer Management Entity
D7 – 7.6	Service Primitives	8.2.1	MLME_SAP
D7.9-14	Service Primitives	8.2.1.1	Summary
D8	Summary	8.2.1.2	Service Primitives
		8.2.2	MLME Functional Description
		8.2.2.1	(LMP subheadings)
		8.2.2.2	Bluetooth Security
		8.3	PHY Layer Management Entity
			Description to be written
		8.3.1	PLME_SAP
			(imputed)
		8.3.2	PLME Functional Description
			Description to be written
		8.4	Station Management Entity
			No corresponding Bluetooth text. This subclause should be either a description of how/why changes are made through the SAPs or be eliminated.

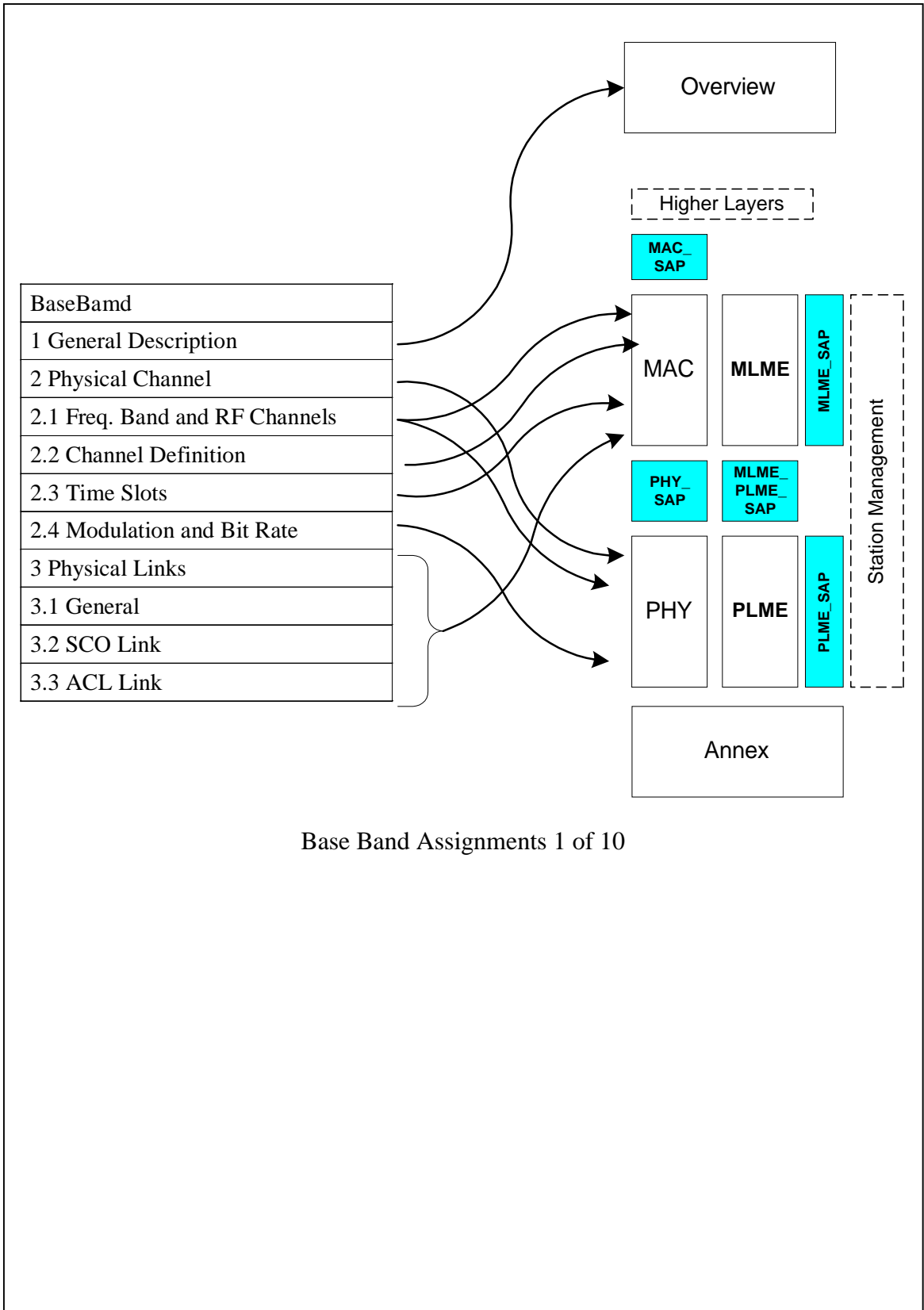
IEEE 802.15.1 Annexes

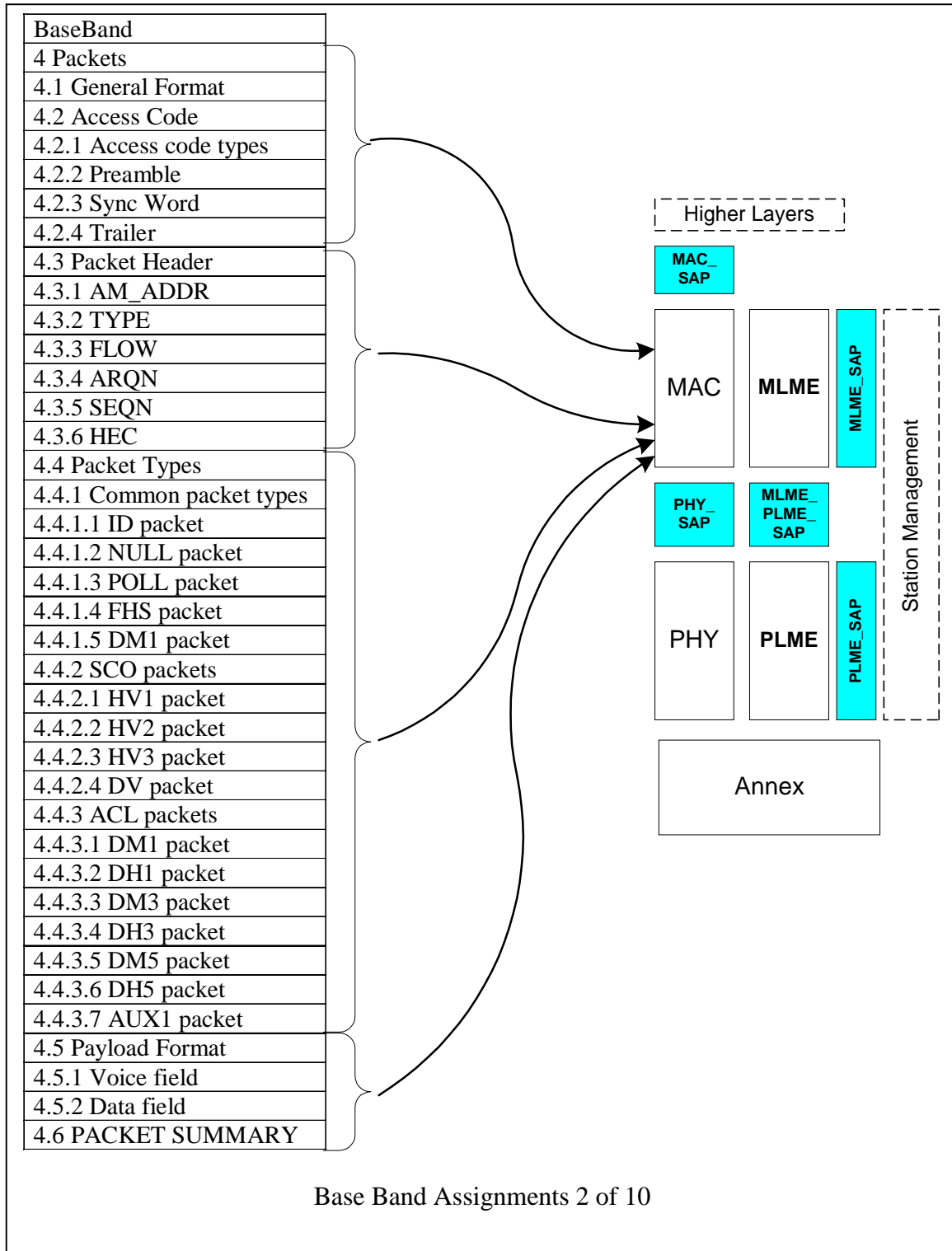
BT Sect.	Heading	802.15	Clause Heading
B8*	Transmit/ Receive Routines	Annex A	PICS proforma
D – Appendix A	Configuration MSCs	Annex B	MAC Formal Definition
D – Appendix B	Implementation Guidelines	Annex C	PHY Formal Definition
		Annex D	Transmit/Receive Routines
		Annex E	Configuration MSCs
		Annex F	Implementation Guidelines
		Annex ?	Other Informative Annex(es)
		Annex (last)	Bibliography

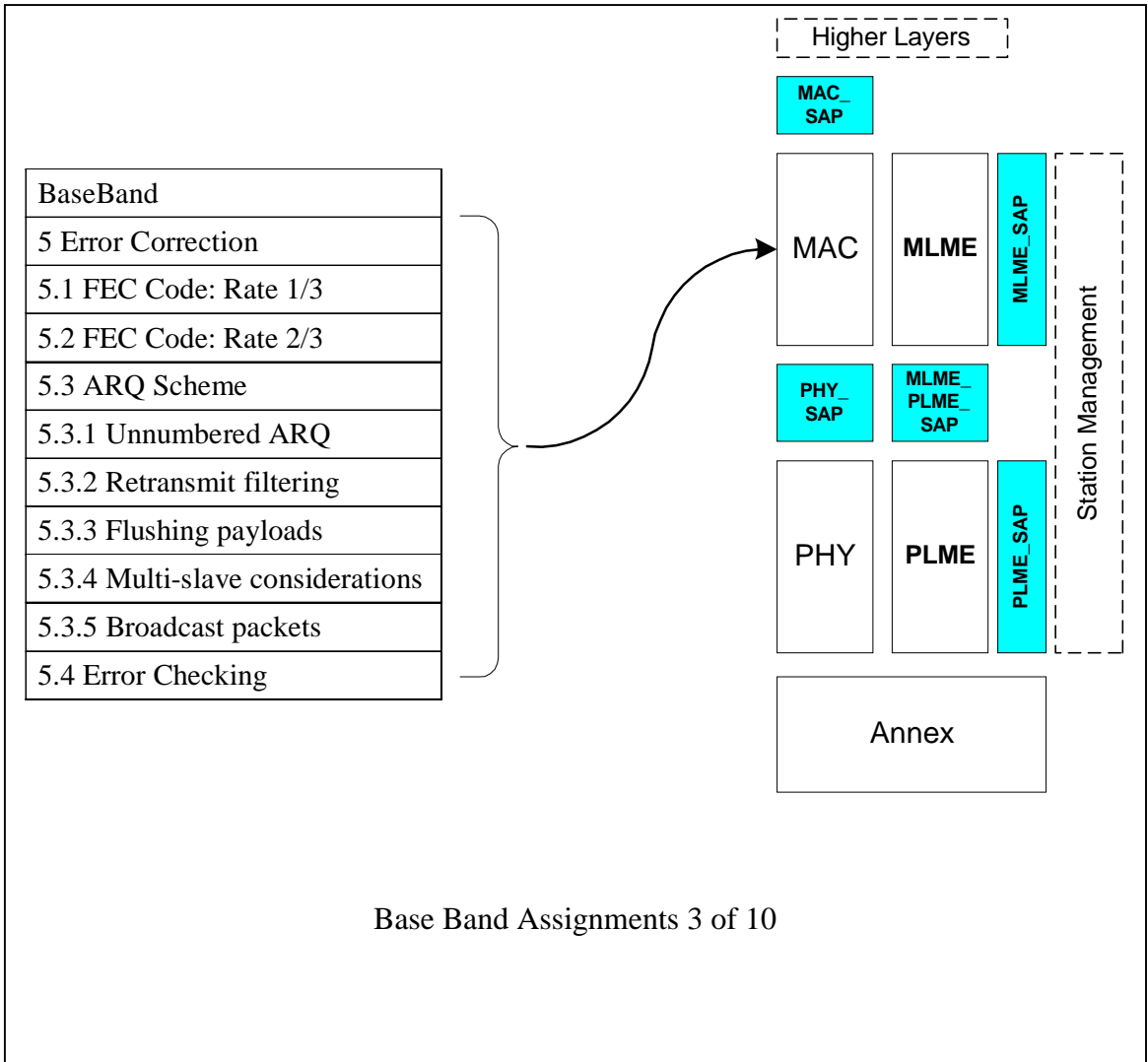
BACKGROUND INFORMATION

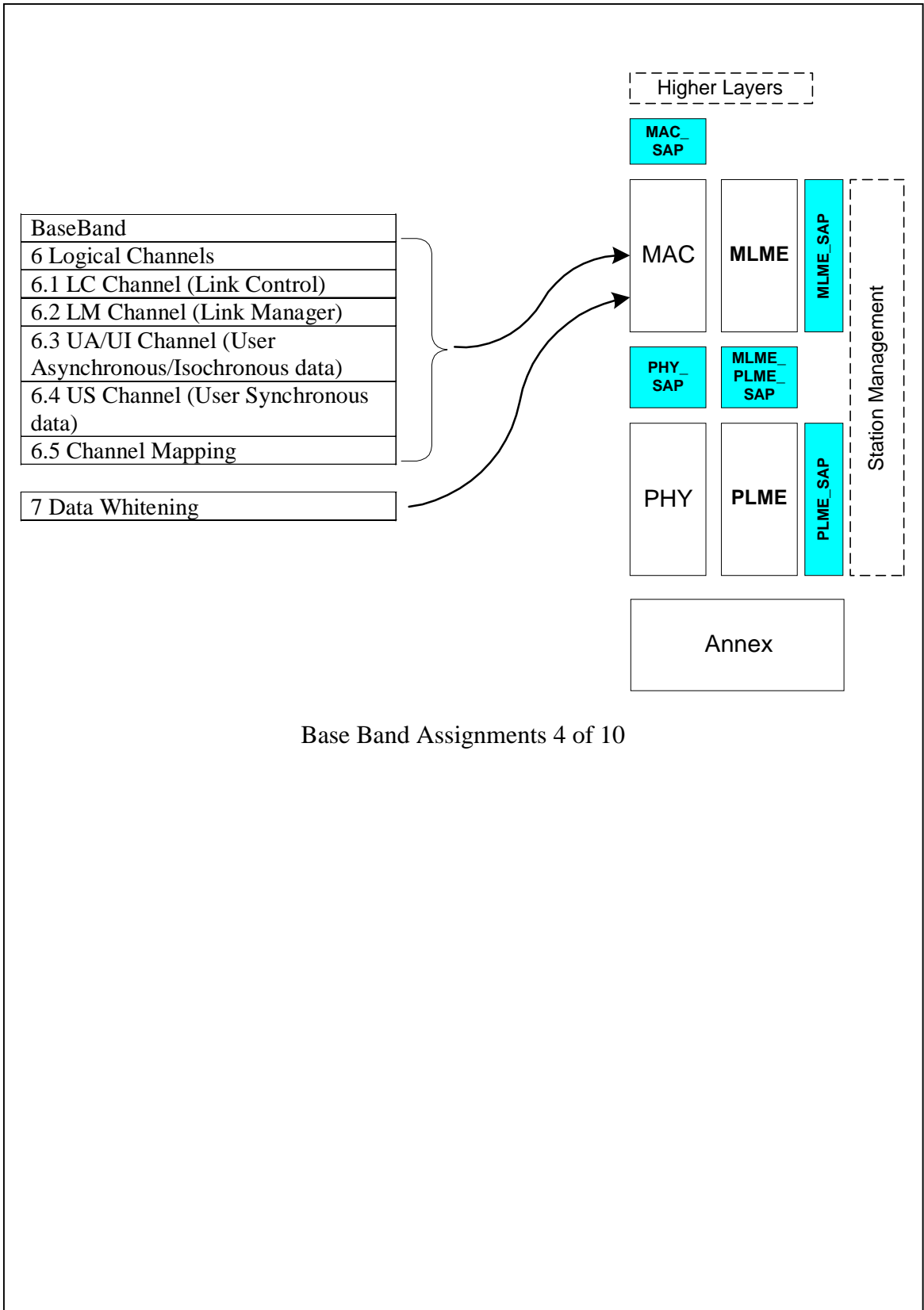
Bluetooth Document Structure to IEEE 802 Block Diagram



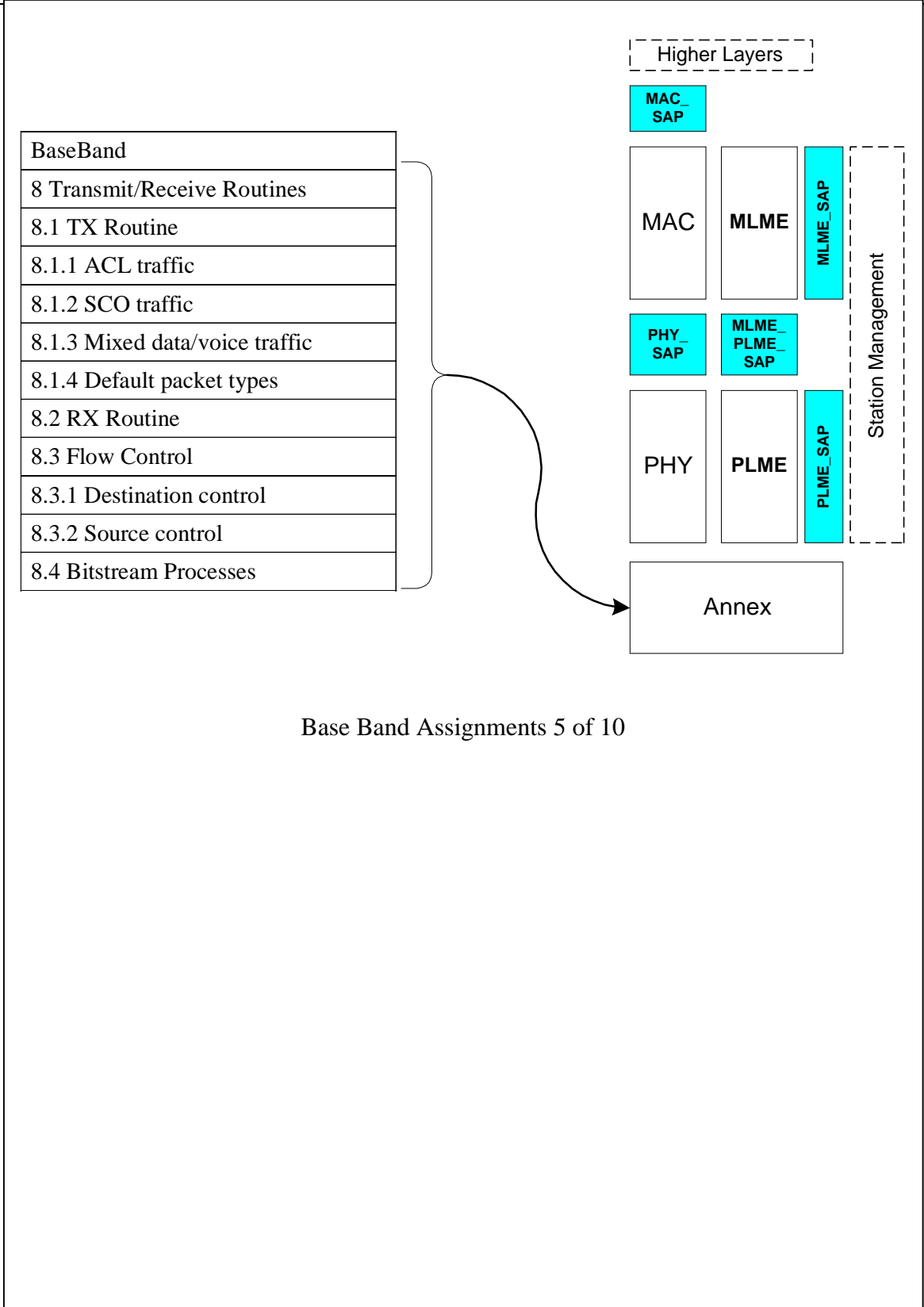




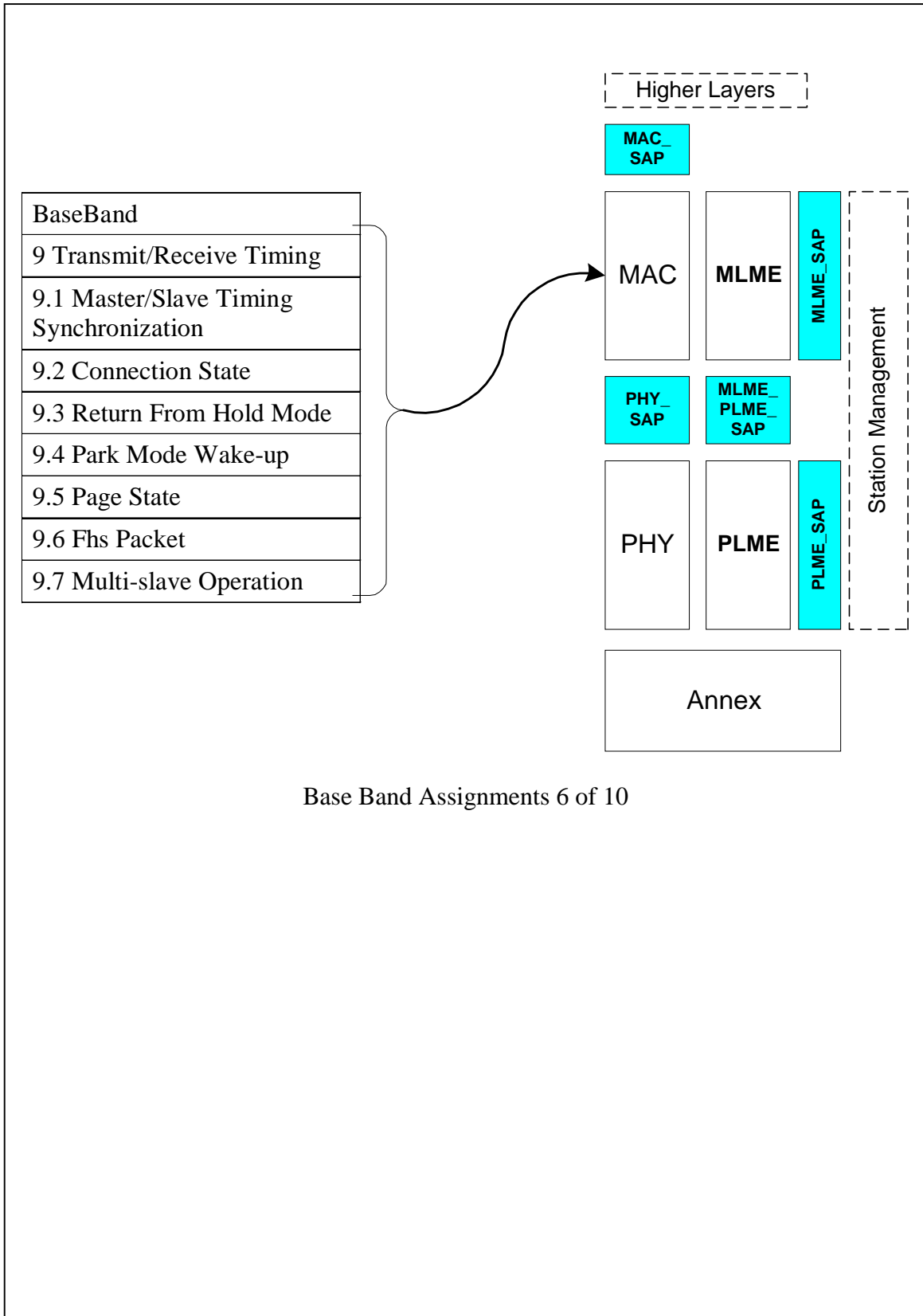




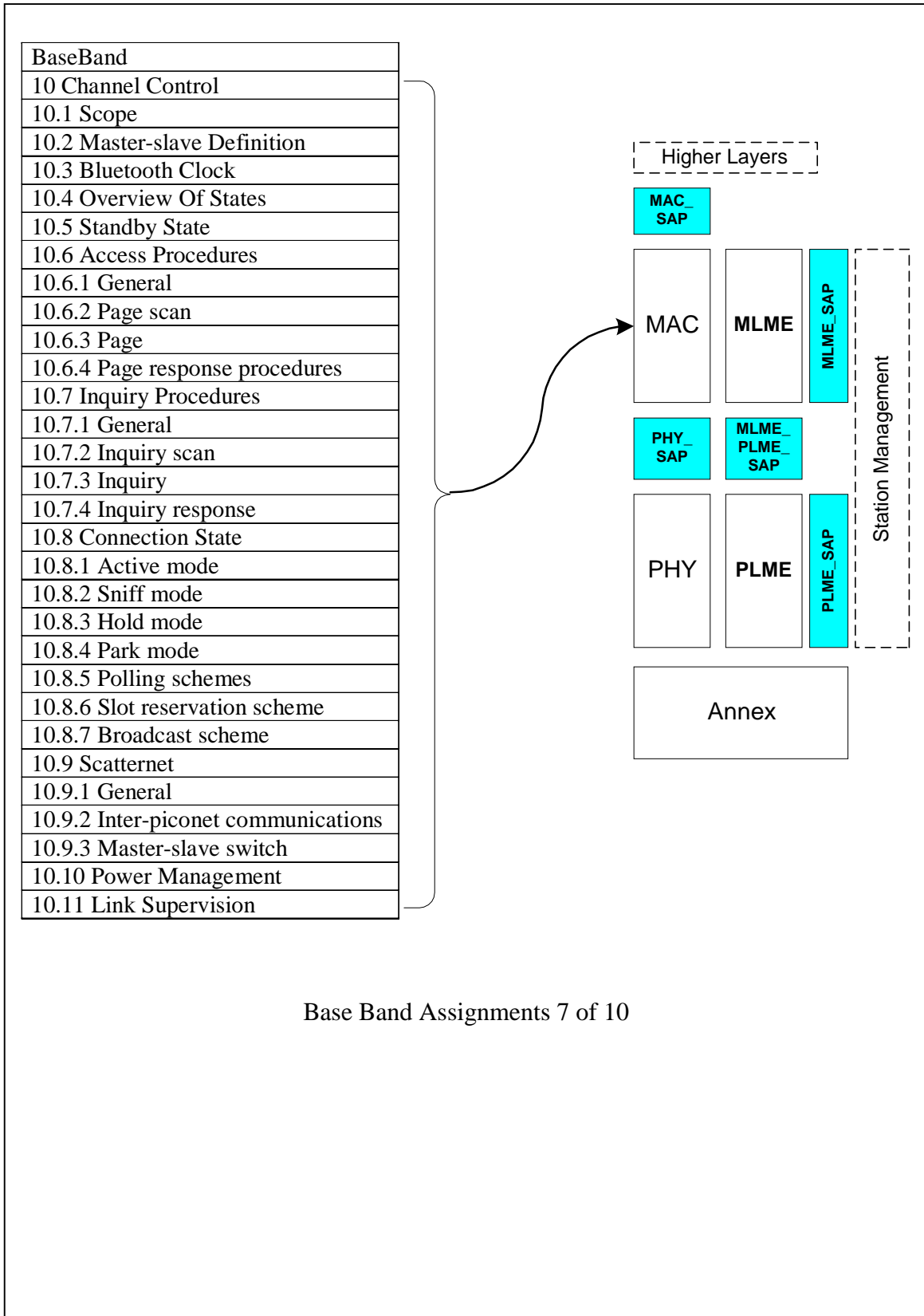
Base Band Assignments 4 of 10



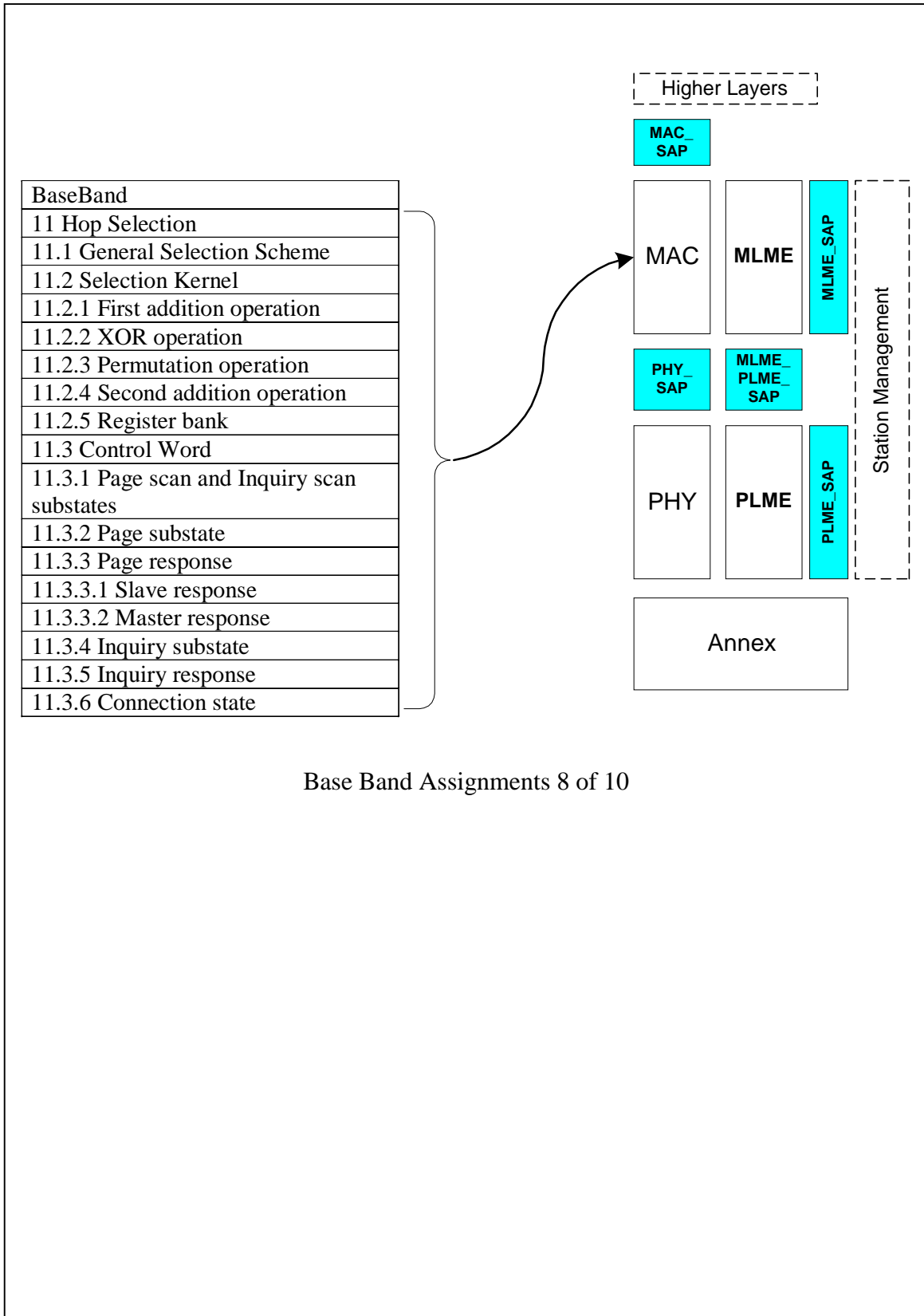
Base Band Assignments 5 of 10



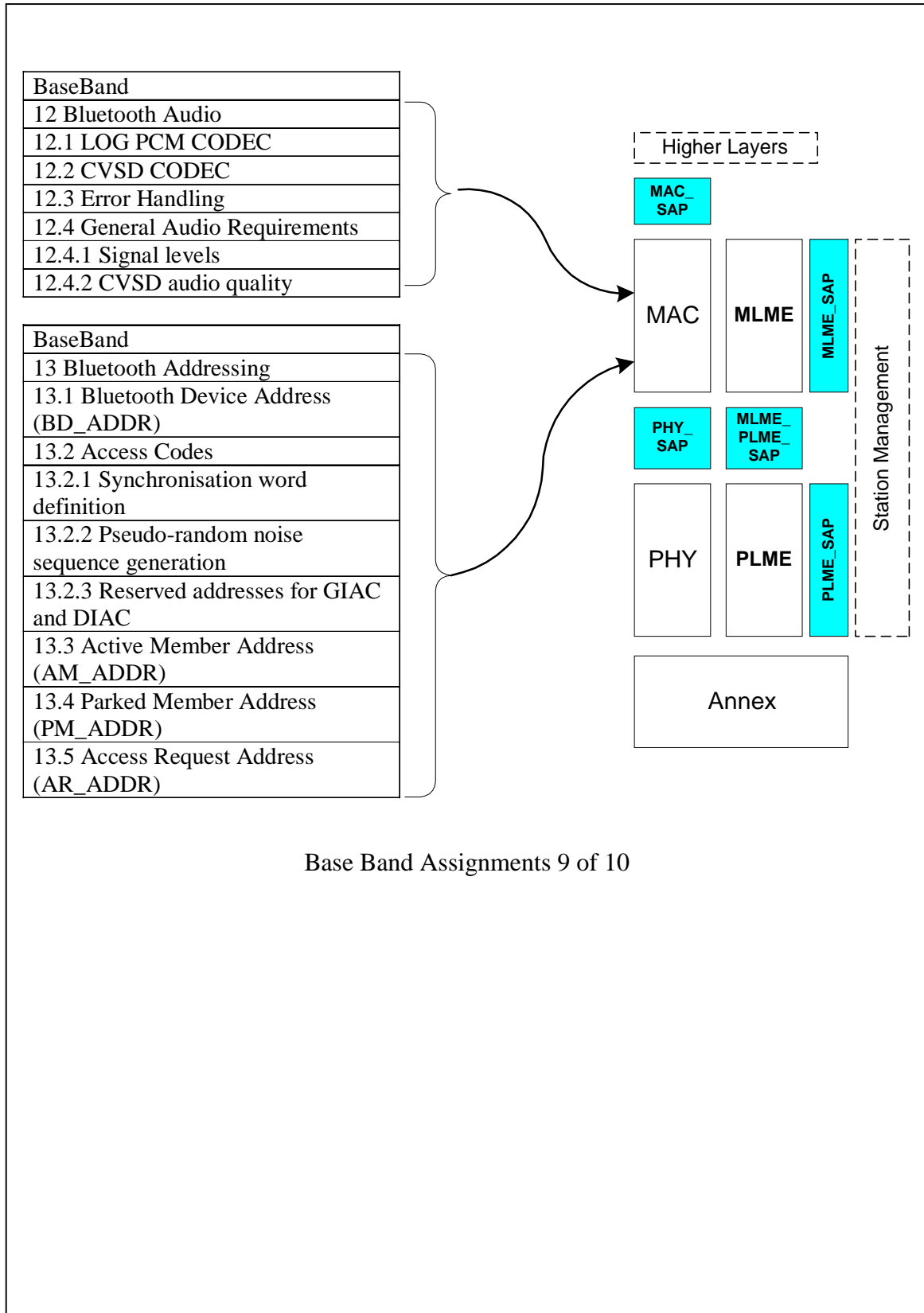
Base Band Assignments 6 of 10

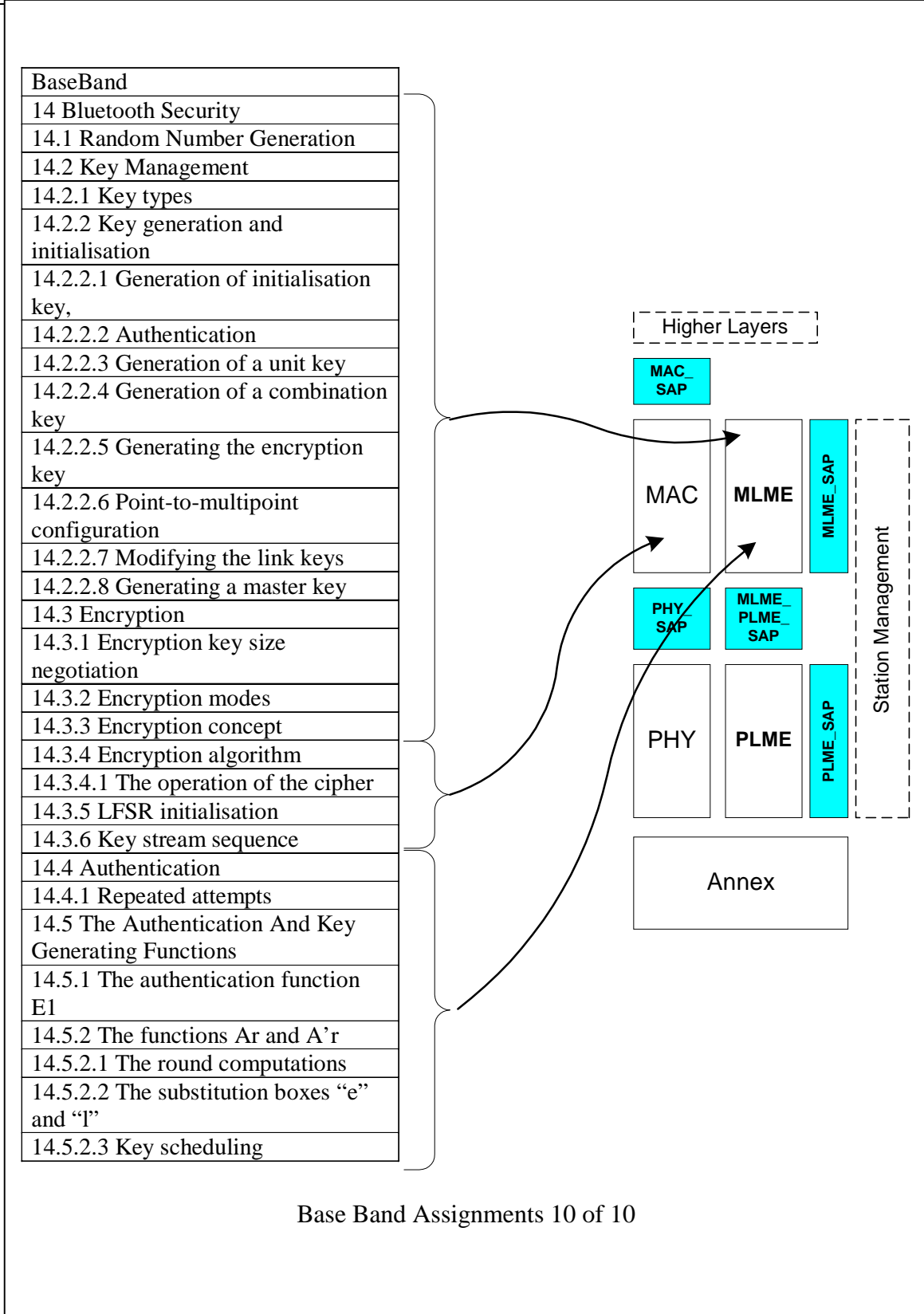


Base Band Assignments 7 of 10

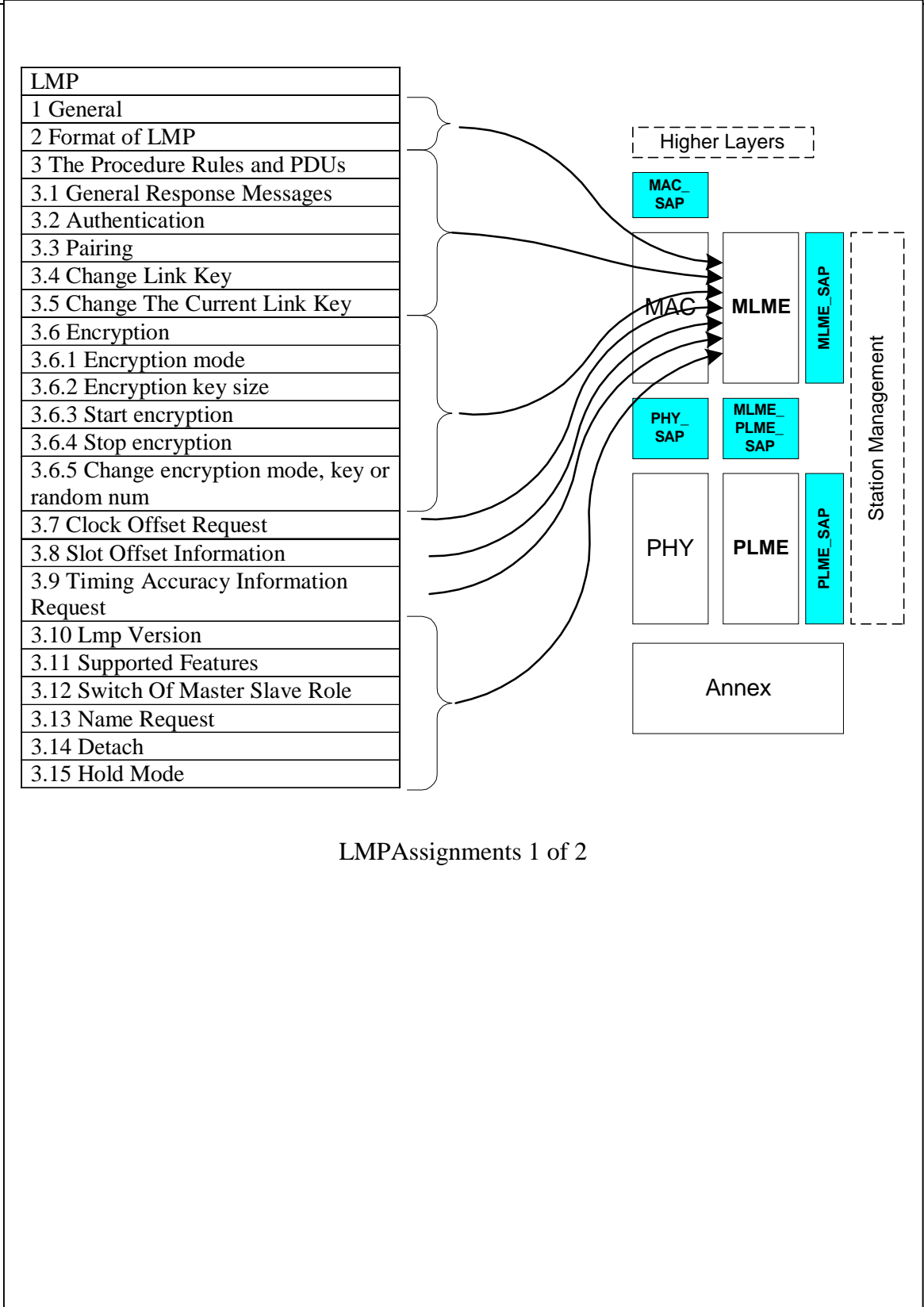


Base Band Assignments 8 of 10

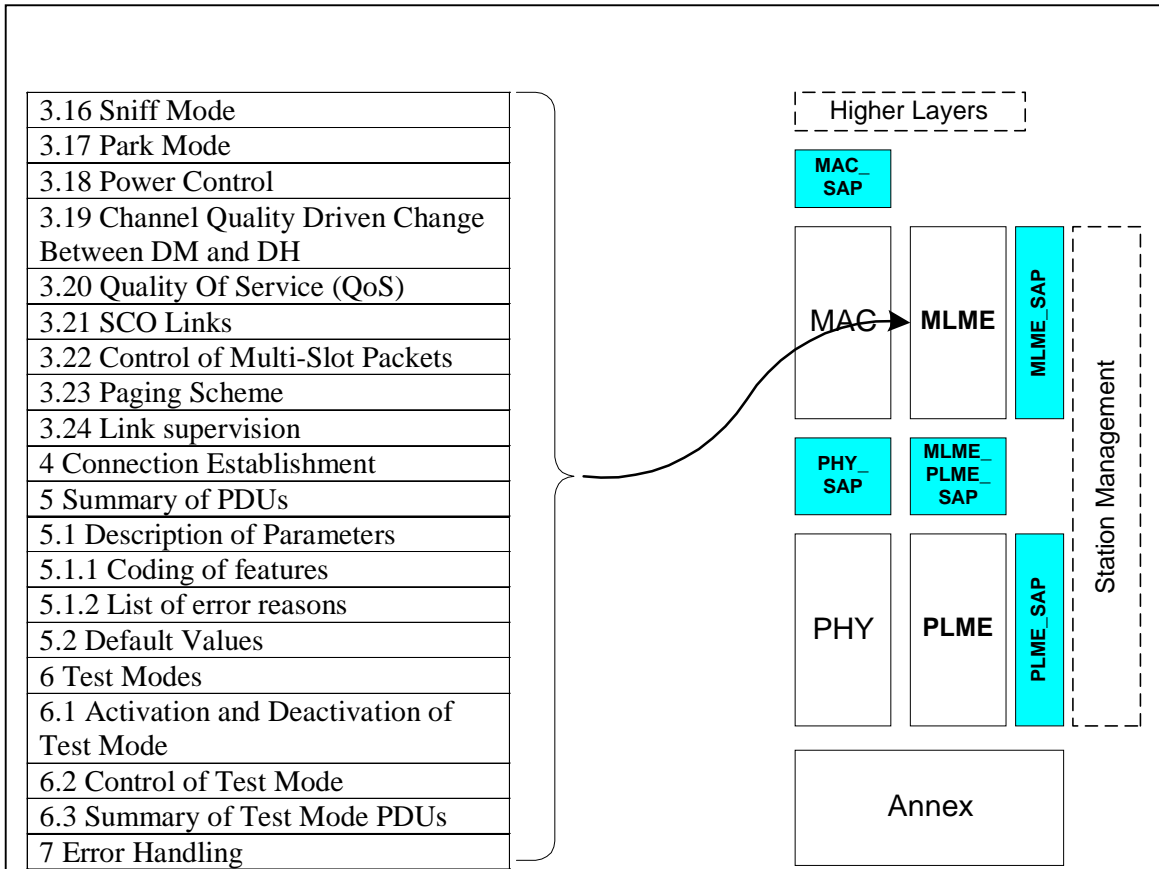




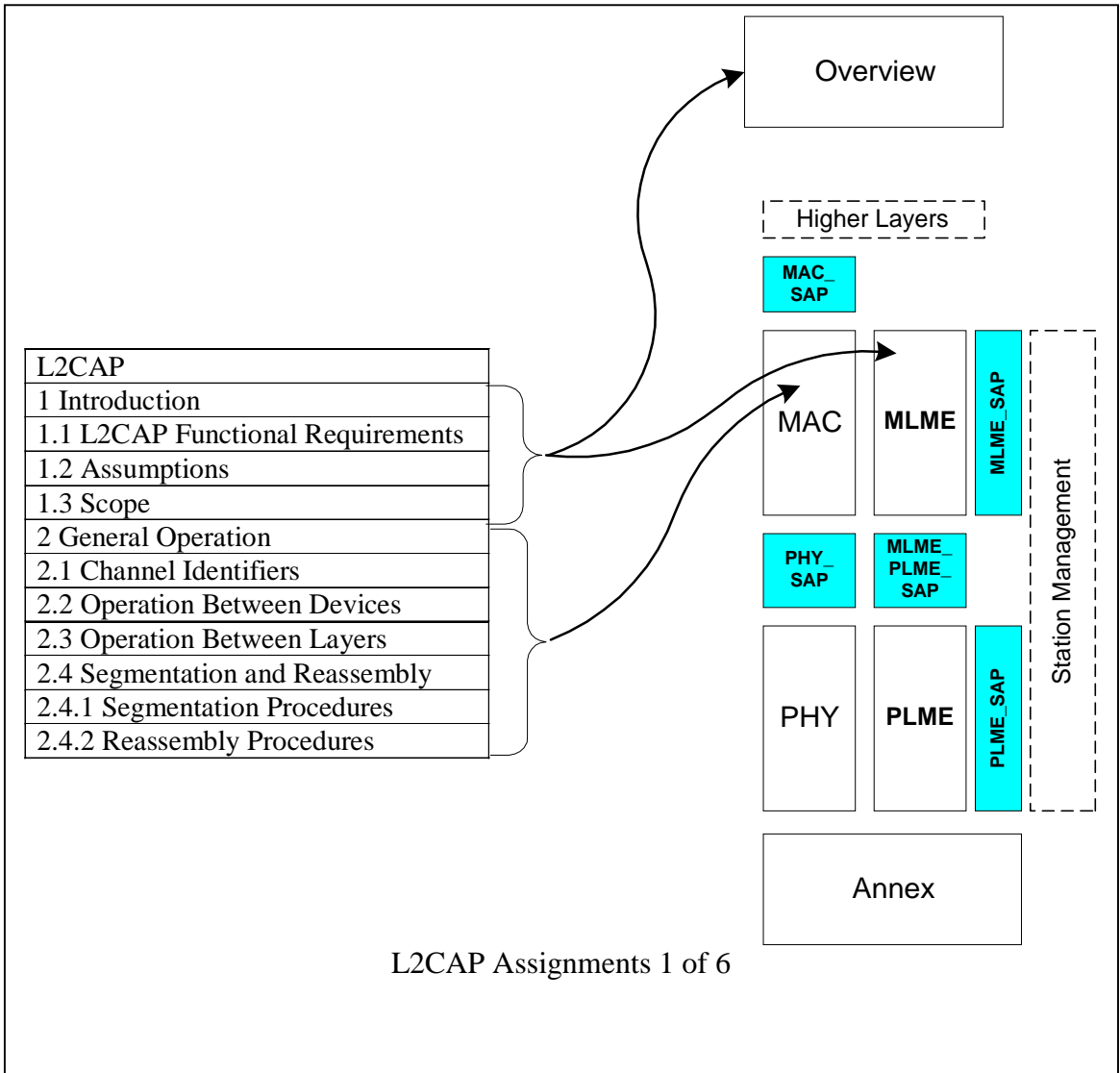
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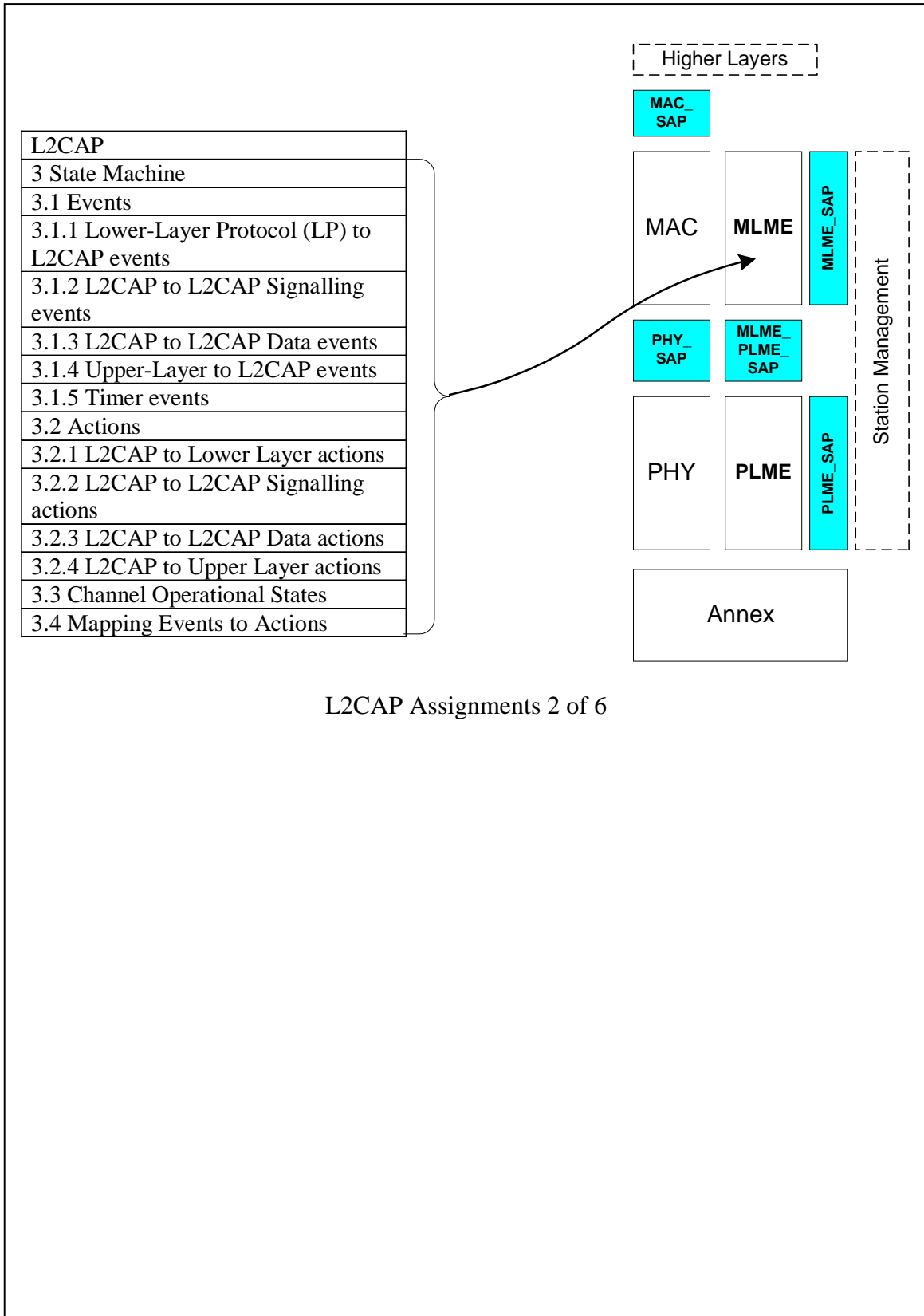


LMPAssignments 1 of 2

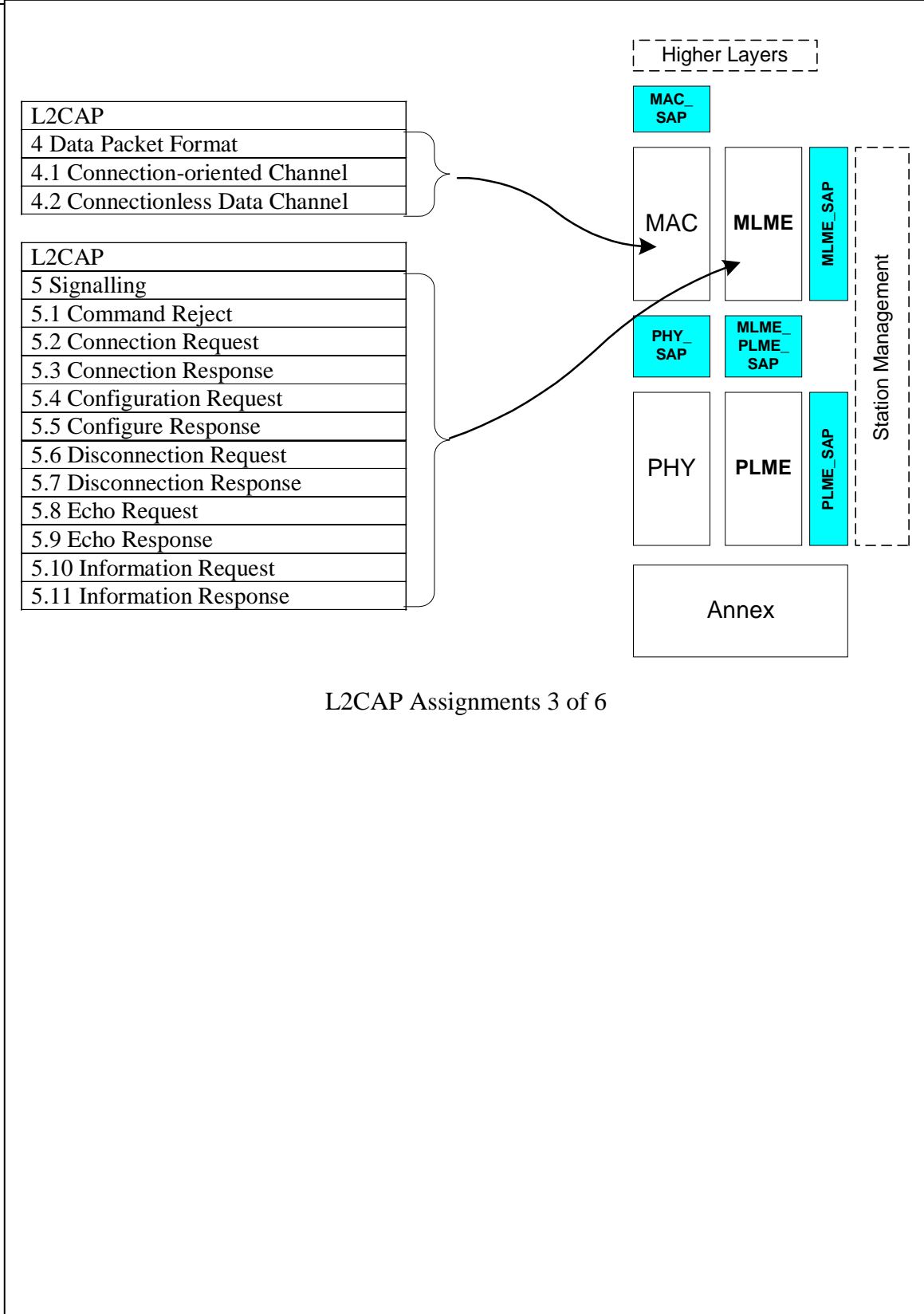


LPM Assignments 2 of 2

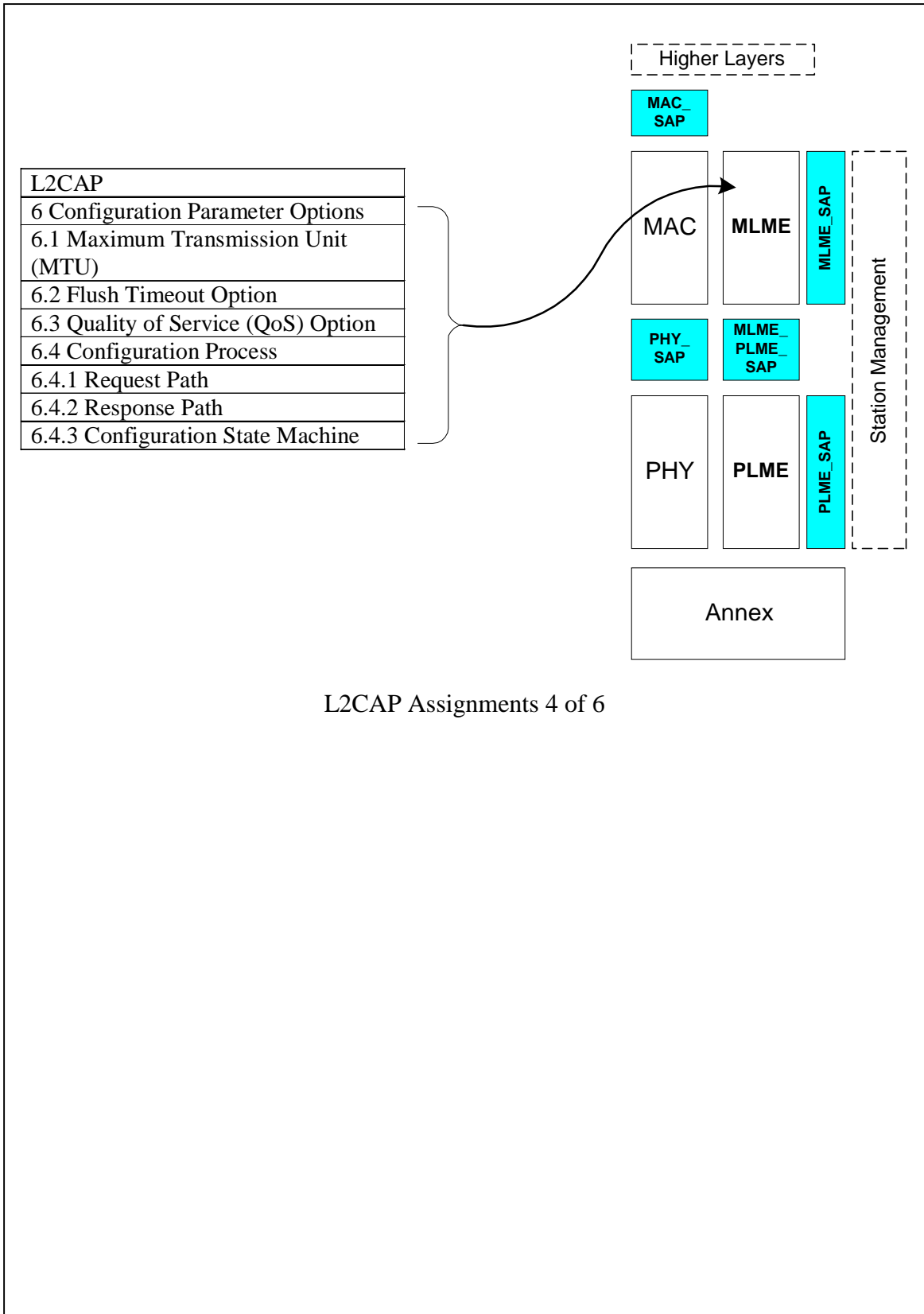




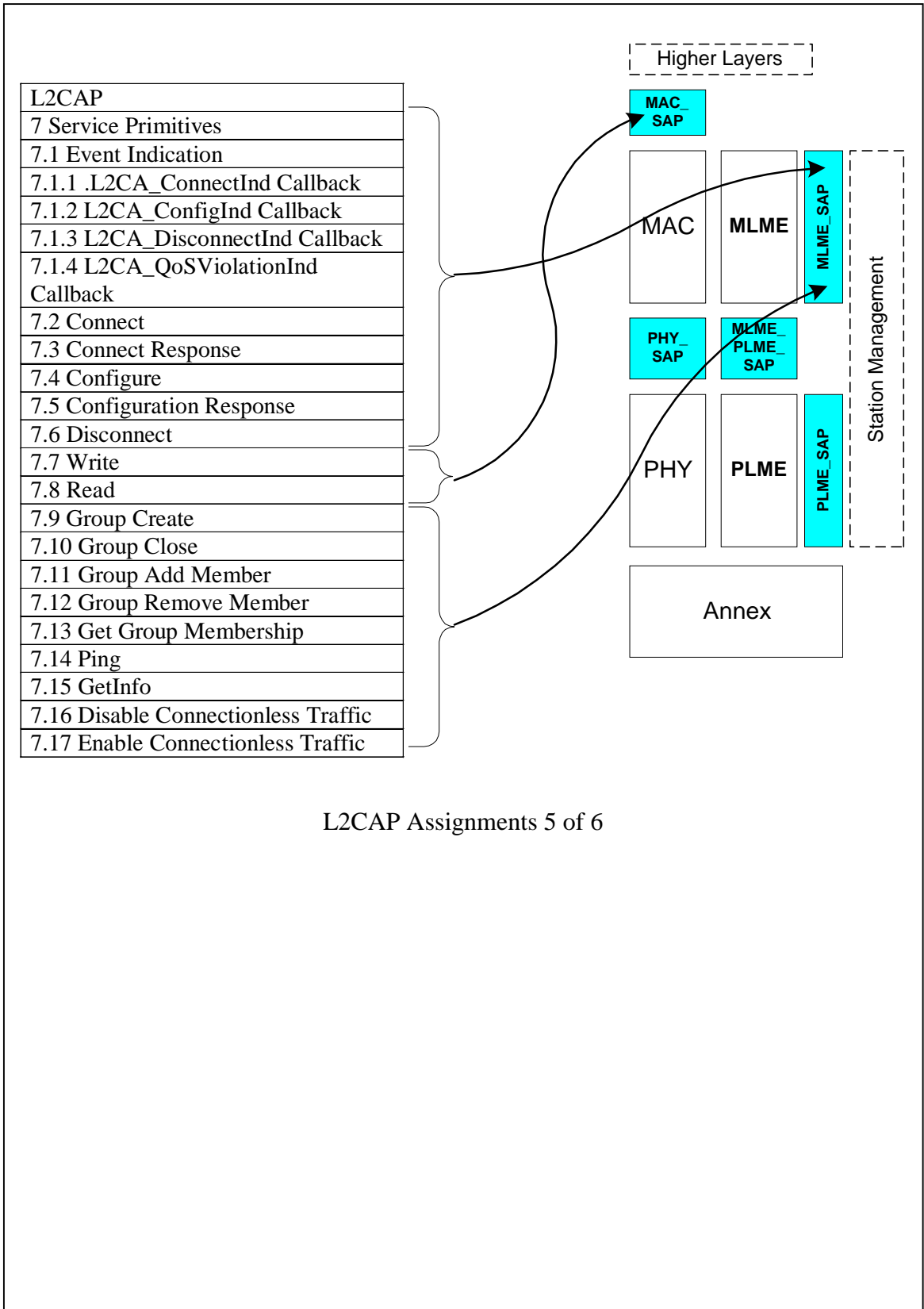
L2CAP Assignments 2 of 6

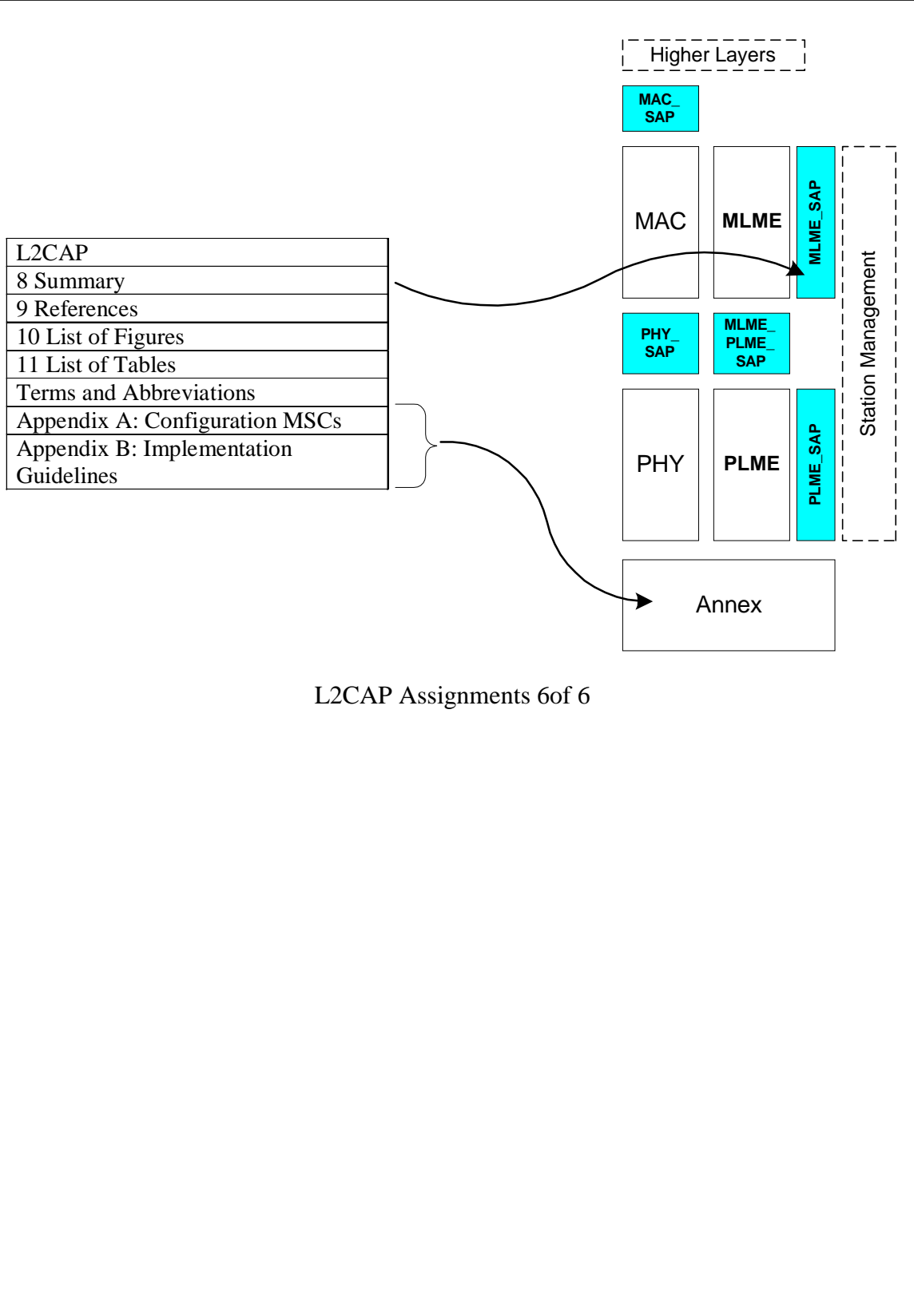


L2CAP Assignments 3 of 6



L2CAP Assignments 4 of 6





L2CAP Assignments 6 of 6