TAPI UML Model

Digital Signal Rate

Version 2.5.0

ONF Document Type: Technical Recommendation

Disclaimer

THIS SPECIFICATION IS PROVIDED "AS IS" WITH NO WARRANTIES WHATSOEVER, INCLUDING ANY WARRANTY OF MERCHANTABILITY, NONINFRINGEMENT, FITNESS FOR ANY PARTICULAR PURPOSE, OR ANY WARRANTY OTHERWISE ARISING OUT OF ANY PROPOSAL, SPECIFICATION OR SAMPLE.

Any marks and brands contained herein are the property of their respective owners.

Open Networking Foundation
1000 El Camino Real, Suite 100, Menlo Park, CA 94025
www.opennetworking.org

Table of Contents

List of Figures

List of Tables

Document History

Version	Date	Description of Change
2.3	May 27, 2021	Model Dump *Gendoc generates documentation from Eclipse Modeling Framework (EMF) models using document templates in formats such as OpenOffice Writer (.odt), Microsoft Word (.docx), Microsoft Excel (.xlsx) and Microsoft Powerpoint (.pptx).*
2.4.0	December 2022	See high level diff document in Github
2.4.1	March 2023	See high level diff document in Github
2.5.0	October 2023	See high level diff document in Github

1   Digital Signal Rate Model

TapiDsr: This module contains TAPI Digital Signal Rate Model definitions. Source: TapiDsr.uml
Copyright (c) 2023 Open Networking Foundation (ONF). All rights reserved. License: This module is
distributed under the Apache License 2.0
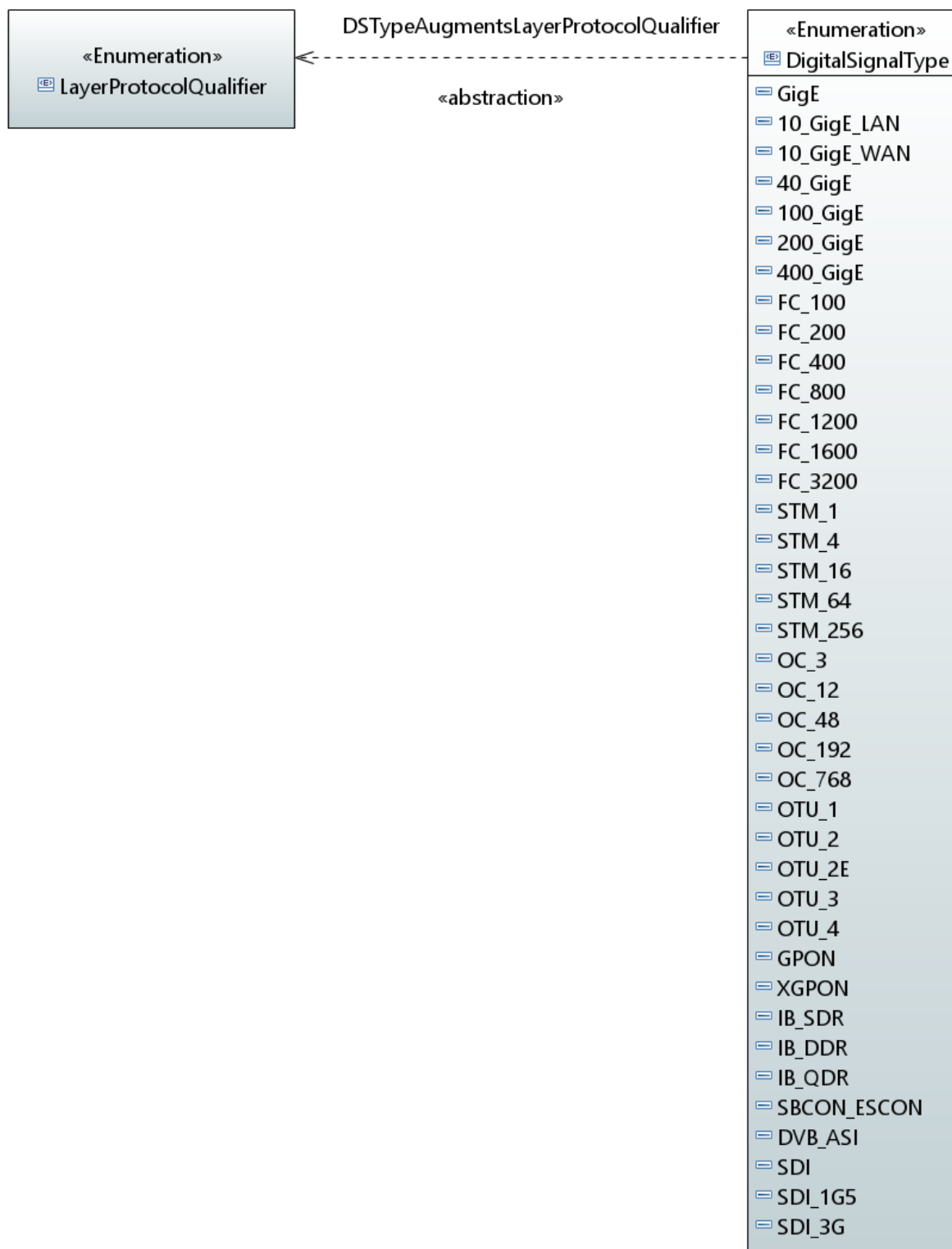
1.1 Diagrams

Figure 1 – Diagram *DsrTypes*

1.2   Classes

1.3   Signals

1.4   Associations

1.5   Abstractions

1.5.1   DSTypeAugmentsLayerProtocolQualifier

Augmenting Enumeration	Augmented Enumeration
DigitalSignalType - 100_GigE - 10_GigE_LAN - 10_GigE_WAN - 200_GigE - 400_GigE - 40_GigE - DVB_ASI - FC_100 - FC_1200 - FC_1600 - FC_200 - FC_3200 - FC_400 - FC_800 - GPON - GigE - IB_DDR - IB_QDR - IB_SDR - OC_12 - OC_192 - OC_3 - OC_48 - OC_768 - OTU_1 - OTU_2 - OTU_2E - OTU_3 - OTU_4 - SBCON_ESCON - SDI - SDI_1G5 - SDI_3G - STM_1 - STM_16 - STM_256 - STM_4 - STM_64 - XGPON	LayerProtocolQualifier - UNSPECIFIED
Comment	
Enumeration Augment.	

Table 1 – Member ends for enum abstraction *DSTypeAugmentsLayerProtocolQualifier*

1.6 Data Types

1.7 Enumerations

1.7.1 DigitalSignalType

Contains Enumeration Literals:
- GigE
- 10_GigE_LAN
- 10_GigE_WAN
- 40_GigE
- 100_GigE
- 200_GigE
- 400_GigE
- FC_100
- FC_200
- FC_400
- FC_800
- FC_1200
- FC_1600
- FC_3200
- STM_1
- STM_4
- STM_16
- STM_64
- STM_256
- OC_3
- OC_12
- OC_48
- OC_192
- OC_768
- OTU_1
- OTU_2
- OTU_2E
- OTU_3
- OTU_4
- GPON
- XGPON
- IB_SDR
- IB_DDR
- IB_QDR
- SBCON_ESCON
- DVB_ASI
- SDI
- SDI_1G5
- SDI_3G

1.8   Primitives