



# TAPI UML Model

## *Digital Signal Rate*

Version 2.5.0

ONF Document Type: Technical Recommendation

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Open Networking Foundation  
1000 El Camino Real, Suite 100, Menlo Park, CA 94025  
[www.opennetworking.org](http://www.opennetworking.org)

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## Document History

| Version | Date          | Description of Change  |
|---------|---------------|--|
| 2.3     | May 27, 2021  | Model Dump<br><i>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).</i> |
| 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  
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## 1.1 Diagrams

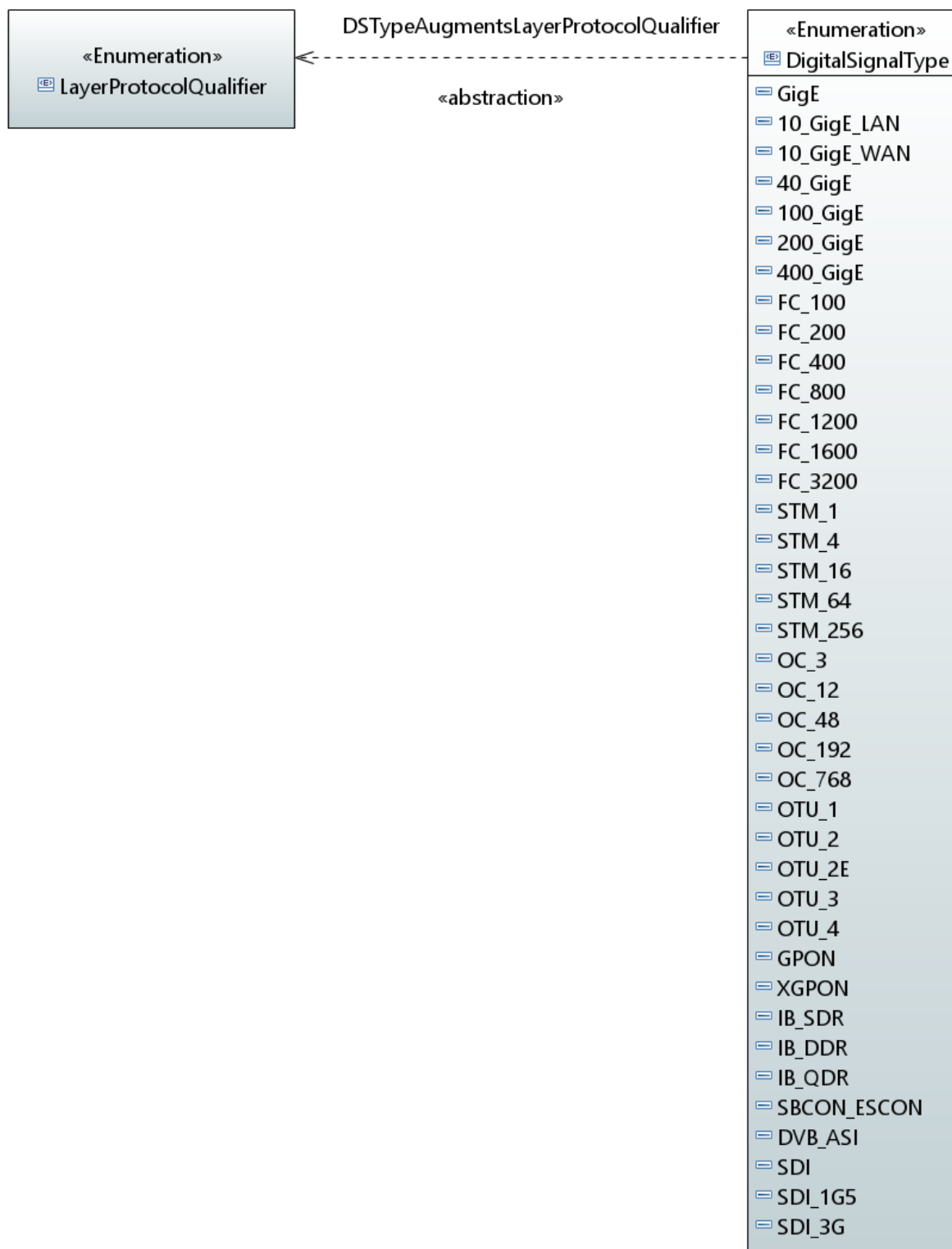


Figure 1 – Diagram *DsrTypes*



## 1.2 Classes

## 1.3 Signals

## 1.4 Associations

## 1.5 Abstractions

### 1.5.1 DSTypeAugmentsLayerProtocolQualifier

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