Tusass A/S
(Referred to as Tusass)

Wholesale Data Services

Annex D3

Connect IP Service

Technical Description

Contents

1. Introduction

This Annex defines the technical description of the Connect IP Service.

The service descriptions and processes to support the implementation of this Service are located in the Service Description (Annex C3 of this Agreement) and the Operations & Maintenance Manual (Annex E3 of this Agreement).

All equipment and plant that is deployed as part of the implementation of this Service shall comply with relevant national and international standards.

All installation procedures used must comply with standard industry practices and national and international standards.

2. General Definitions

The Tusass wholesale portfolio consists of the following Services:

- Bit Stream Access Service;
- Co-location Service;
- Connect IP Service;
- Global IP Service;
- Local IP Service, and
- National IP Service.

A service description for each of the Tusass wholesale Services is included in Annex C to this Agreement. A technical description for each of these Services is included in Annex D to this Agreement.

The service description and technical description for each of the Tusass Services describes how each of the Services connects to allow the Service Taker to provide its end to end service to its customer.

3. Service Overview

The Connect IP Service contains the basic creation and configuration of the logical interfaces bound to a Service Taker's physical connectivity options (Local IP or Co-location).

It can be described as the logical interfaces terminating the Service Taker's other services.

4. Interfaces

Two types of logical interfaces are presented in the Connect IP Service:

- VLAN-sub-interfaces - A logical interface with a single 802.1Q VLAN tag
- Q-in-Q-sub-interfaces - A logical interface with an outer (S-VLAN) tag and an inner (C-VLAN) tag
    - The ethertype for the C-VLAN is always 0x8100 (802.1Q)
    - The ethertype for the S-VLAN is 0x8100 (802.1Q) by default
        - Can be implemented as 0x88a8 (802.1ad) on request
            - implementation is per Connect IP Service instance

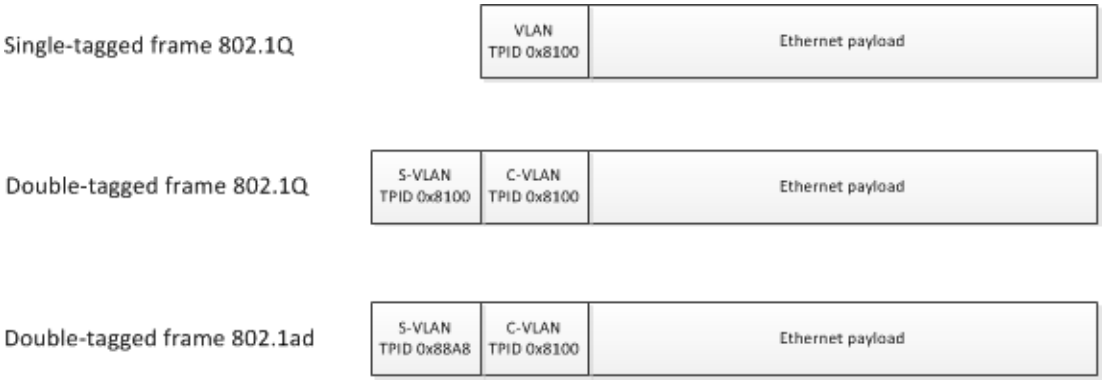

Figure 1 – Single and double tagged Ethernet frames
Note: This figure is provided for illustrative purposes only