



OPEN OPTICAL & PACKET TRANSPORT

This Project Group Charter establishes the scope, intellectual property and copyright terms used to develop the materials identified in this Project Group. Only Participants that execute this Working Group Charter will be bound by its terms and be permitted to participate in this Project Group and shall be considered “Contributors” in the Project Group as defined in the **Telecom Infra Project IPR Policy document**.

TIP Board of Directors Approval Date: 10/19/2016

1. PROJECT GROUP NAME

Open Optical & Packet Transport

2. PURPOSE

Define Dense Wavelength Division Multiplexing (DWDM) open packet transport architecture, that triggers new pace of technology innovation and flexibility, and avoids implementation lock-ins.

3. PROJECT GROUP SCOPE

- i. Open DWDM system including Open Line System & control, Transponder & network management
- ii. Packet-switch and router technologies

4. PROJECT GROUP DELIVERABLES

- i. Open Packet-DWDM
 - a. First Open Line system specification in Q3/2016
 - b. First white-box transponder submission in Q3/2016
 - c. First white box transponder with open line system field trials in Q3/2016
 - d. First NMS & SW control submission in Q4/2016

From the first submission this year to the final working and useful products will be around 18months and we believe this group can get to a first conclusion in Q2/2018.

- i. Open Router-Transport
- ii. First Prototype with OEM SW in Q2/2017
- iii. First Open SW prototype in Q3/2017

5. PATENT LICENSING

The patent license for all Contributions, Draft Specifications and Final Specifications within this Project Group shall be:

[Check one box]

- RAND License Option**, as set forth in Section 5.2.1 of the Telecom Infra Project IPR Policy.
- Royalty-free License Option**, as set forth in Section 5.2.2 of the Telecom Infra Project IPR Policy.

6. FINAL DELIVERABLE COPYRIGHT LICENSING

Project Group agrees to grant the following copyright license for the Final Specification:

[Check one box]

- Creative Commons Copyright Attribution 4**, Each Project Group Contributor agrees that its Contributions are subject to the Creative Commons Attribution 4.0 International license - <http://creativecommons.org/licenses/by/4.0/legalcode>.
- Full Release of Copyright into the public domain**, Each Project Group Contributor agrees to release its Contributions to the public domain and waive all copyrights associated with them.

7. INITIAL PROJECT CHAMPIONS

Equinix

8. CHAIR AND(OR) CO-CHAIR OF PROJECT GROUP

Chair

Hans-Juergen Schmidtke, Facebook

Co-Chair

Ihab Terazi, Equinix

9. PARTICIPATION CRITERIA

The proposal is that the expectations of TIP group members is:

- i. That they are actively participating in group meetings
- ii. Have at least one submission in 12 months
- iii. Provide support for field trials and/or deployments
- iv. Service provider agree to field trials