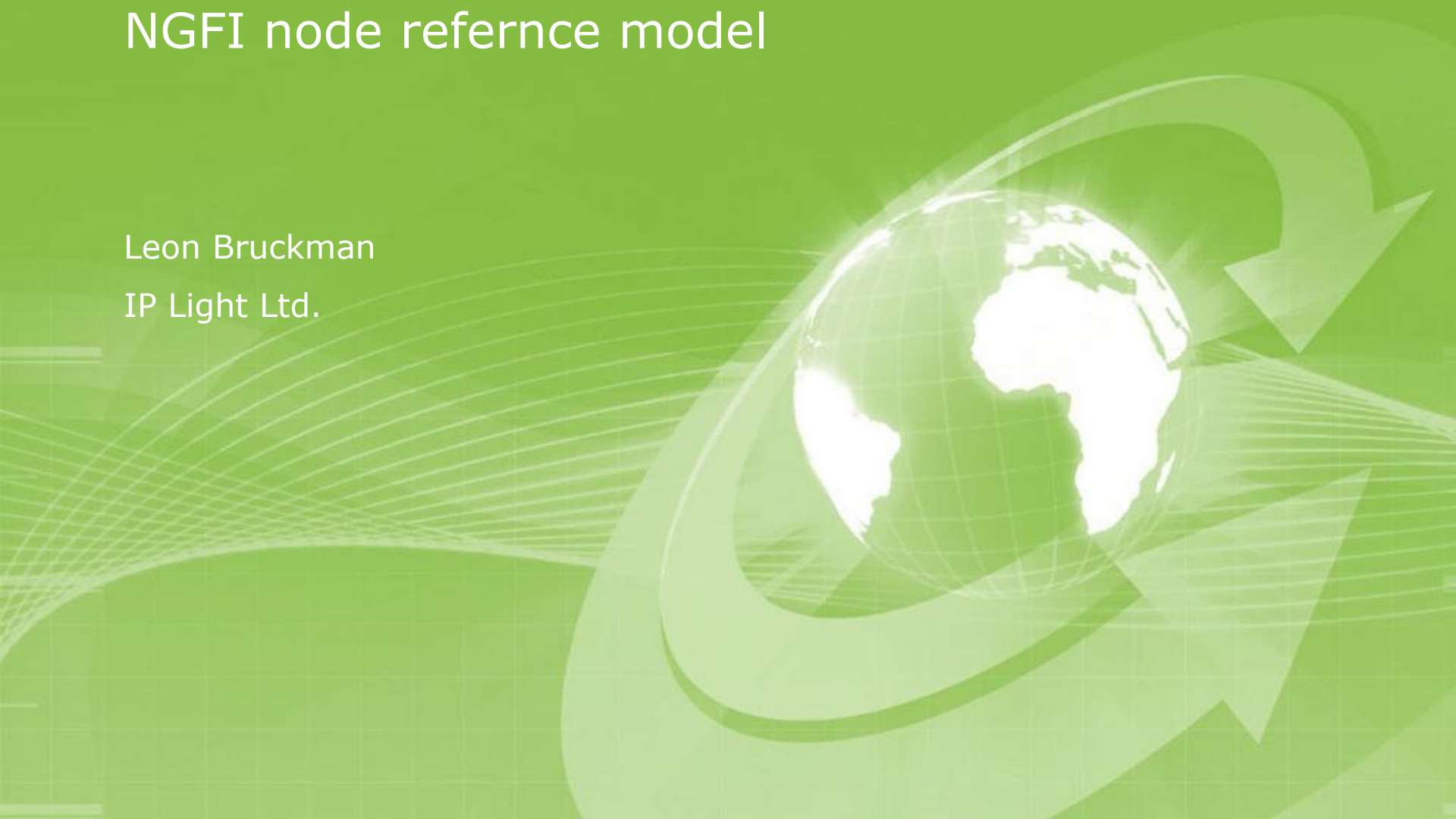


NGFI node refernce model

Leon Bruckman
IP Light Ltd.



Compliance with IEEE Standards Policies and Procedures

Subclause 5.2.1 of the *IEEE-SA Standards Board Bylaws* states, "While participating in IEEE standards development activities, all participants...shall act in accordance with all applicable laws (nation-based and international), the IEEE Code of Ethics, and with IEEE Standards policies and procedures."

The contributor acknowledges and accepts that this contribution is subject to

- The IEEE Standards copyright policy as stated in the *IEEE-SA Standards Board Bylaws*, section 7, <http://standards.ieee.org/develop/policies/bylaws/sect6-7.html#7>, and the *IEEE-SA Standards Board Operations Manual*, section 6.1, <http://standards.ieee.org/develop/policies/opman/sect6.html>
- The IEEE Standards patent policy as stated in the *IEEE-SA Standards Board Bylaws*, section 6, <http://standards.ieee.org/guides/bylaws/sect6-7.html#6>, and the *IEEE-SA Standards Board Operations Manual*, section 6.3, <http://standards.ieee.org/develop/policies/opman/sect6.html>

IEEE 1914.1
Next Generation Fronthaul Interface
Jinri Huang, huangjinri@chinamobile.com

NGFI node reference model

Date: 2017-04-19

Author(s):

Name	Affiliation	Phone [optional]	Email [optional]
Leon Bruckman	IP Light Ltd.	+972-3-7217821	Lbruckman@iplight.com

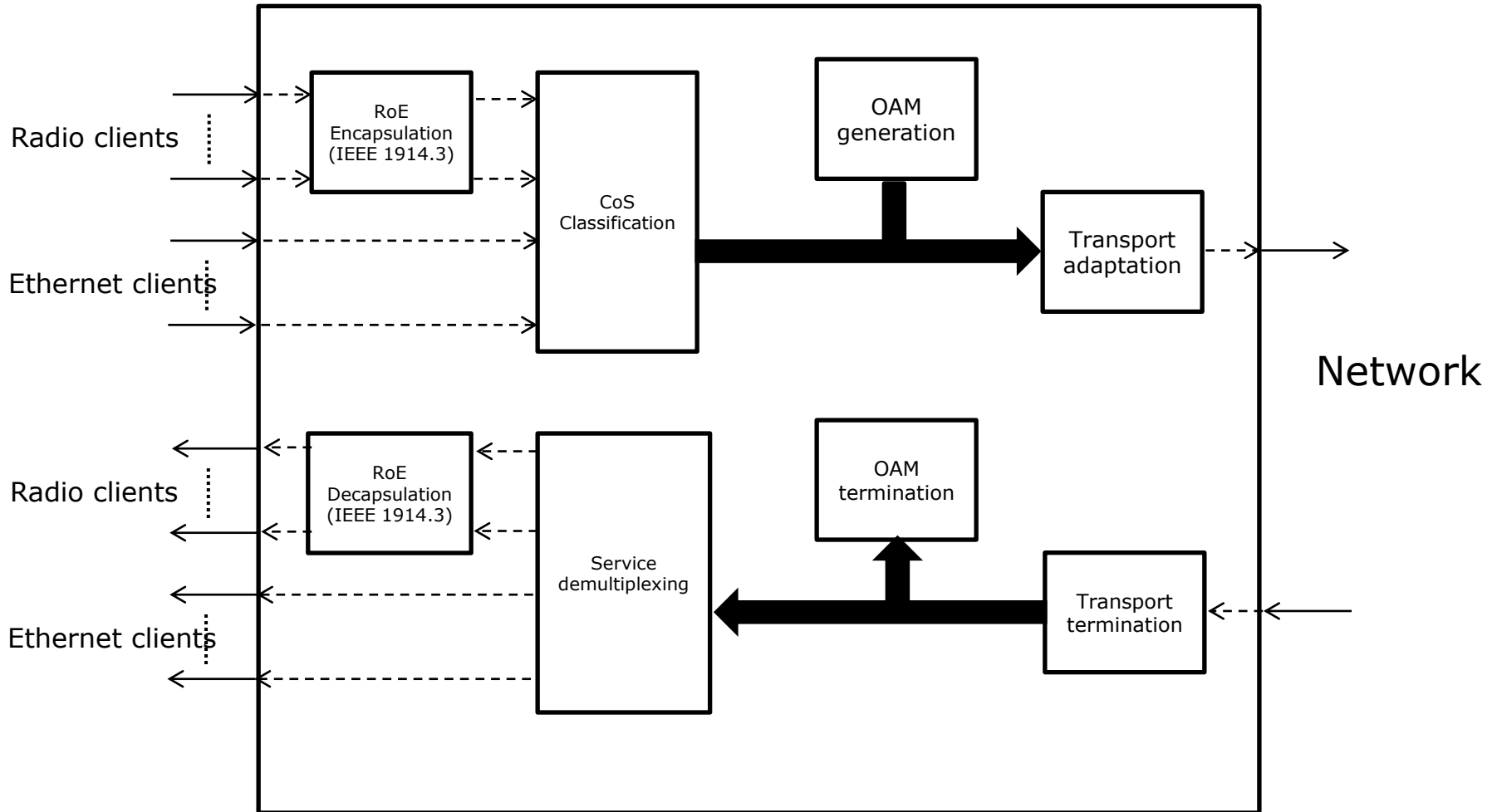
Introduction

- According to OASIS (Organization for the Advancement of Structured Information Standards) a reference model is:
 - an abstract framework for understanding significant relationships among the entities of some environment, and for the development of consistent standards or specifications supporting that environment.
 - A reference model is based on a small number of unifying concepts and may be used as a basis for education and explaining standards to a non-specialist.
 - A reference model is not directly tied to any standards, technologies or other concrete implementation details, but it does seek to provide a common semantics that can be used unambiguously across and between different implementations.

The problem

- Many SDOs are dealing with similar topics as the ones IEEE 1914.1 is dealing with.
- Boundaries between the work done by different SDOs is blurred, and confusion may delay the acceptance of standards for 5G deployment.
- While not dictating any specific implementation requirement a NGFI node reference model may help in:
 - Creating a common language for the NGFI supporting community
 - Make clear the IEEE 1914.1 working space
 - Identify the functions IEEE 1914.1 needs to address

NGFI node reference model – proposal



Proposal

- Agree on the NGFI reference model
 - This proposal may be used as the basis for the model, but the author is open to any changes to the model
- If agreed, forward the decision to the relevant SDOs.

Motion #___

- Agree to work on a NGFI node reference model based on this contribution.
- Mover: Leon Bruckman
- Seconder:
- Yes: ___ No: ___ Abstain: ___ (Technical motion needs $\geq 2/3$)

Motion #___

- Liaise to the relevant SDOs the agreed NGFI node reference model.
- Mover: Leon Bruckman
- Seconder:
- Yes: ___ No: ___ Abstain: ___ (Not technical motion needs $\geq 1/2$)