

RoE and NGFI update

Jouni Korhonen
(jouni.korhonen@broadcom.com)
IEEE 802.1TSN @San Diego 2016
7/27/2016

Disclaimer

- This presentation does not represent IEEE 1914 NGFI WG or 1904 ANWG official views.

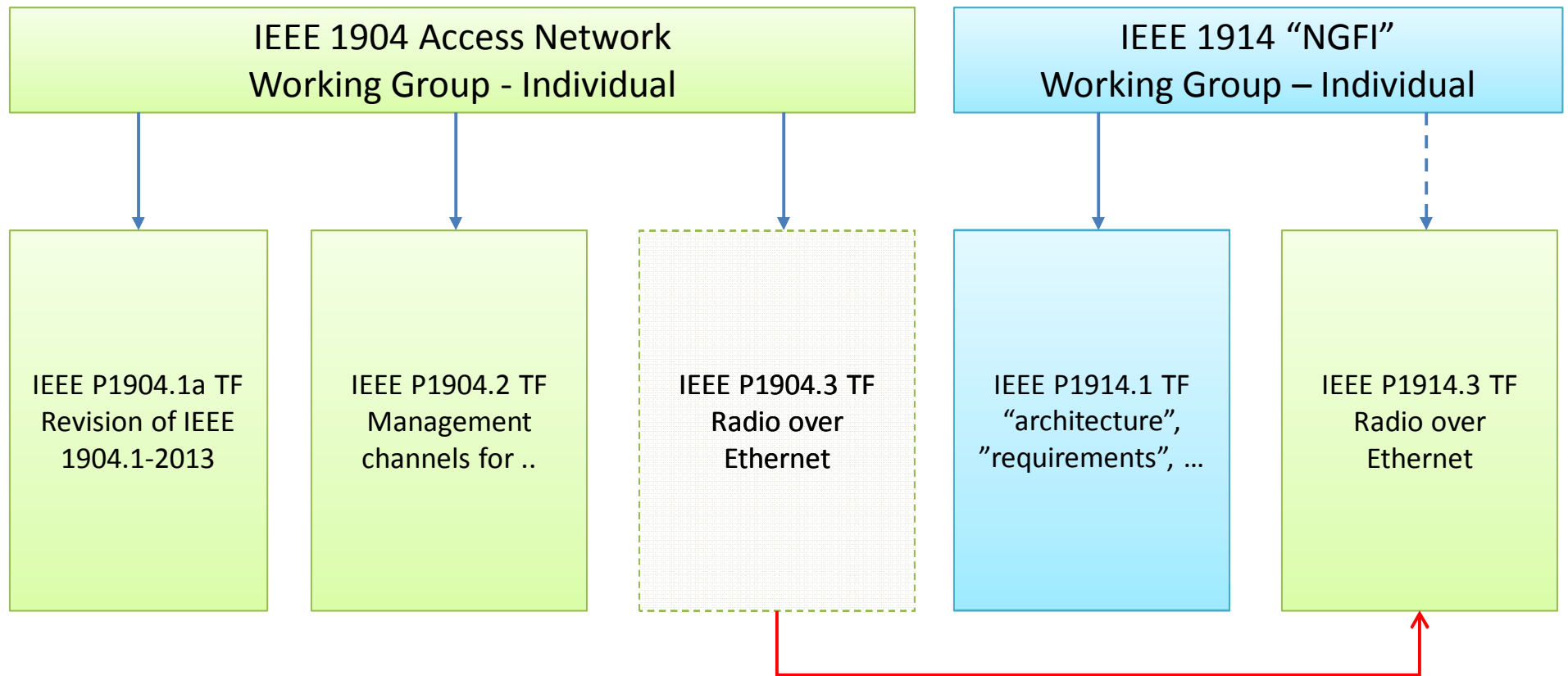
Background

- IEEE 1904 ANWG hosted the development of Radio over Ethernet (RoE) -> IEEE P1904.3 TF.
 - PAR approved 10-Dec-2014.
- IEEE 1914 NGFI WG chartered to work on a next generation fronthaul interface.
 - PAR approved 5-Feb-2016.
 - See <http://sites.ieee.org/sagroups-1914/> and <http://www.ieee802.org/1/files/public/docs2016/liaison-IEEE1914-NGFI-0616.pdf>
- Both under the same sponsor: ComSoc/SDB.

What happened then..

- IEEE 1904 WG has more or less completed other work than P1904.3 RoE TF specification and intends to go into "hibernation" mode.
 - RoE needed a new home..
- With the help of the sponsor both WGs agreed on PAR modifications to move RoE work under IEEE 1914.. since the interest groups have a great overlap.

Move of the RoE TF



PAR modification approved 29/30-Jun-16, move finalized 21-Jul-16

Impact to IEEE P19[0->1]4.3 RoE work

- Practically none..
 - IEEE P1904.3 TF officers remain the same under IEEE P1914.3 TF..
 - New PAR is unchanged except for the parent WG and dates.
 - There are some mailing list migration hiccups..
 - Website is still in flux, etc but nothing drastic..

Status of IEEE P1914.3

- IEEE P1904.3/D1.0 had the first TF review completed in June.
 - Quite a few comments received ;-)
- IEEE P1914.3/D1.1 available any time soon.
 - Pending few more edits..
 - Expected to be available this or next week..

Any bigger changes since last time?

- Refer to <http://www.ieee802.org/1/files/public/docs2016/new-roe-status-rm-ieee1904dot3-0516-v00.pdf>
- Making "Structure Agnostic" more agnostic.. not just agnostic to CPRI internals..
 - Examples on CPRI but content "CPRI-free".
 - Addition of "Start of Frame" indication into time stamp encoding -> explicit synchronization event.
 - Explicit assumption that line coding and scrambling has been removed from RoE payload..

Questions? Comments?



Source: Flame warriors