

HSSG Copper Ad Hoc

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Scope:

Scope of copper ad hoc:

The group is to help expedite the resolution of the HSSG objectives.

- The copper ad hoc is to produce an HSSG copper objective.
 - The objective is to be supported by presentation materials which will help convince (75%) of the HSSG to vote in favor of the objective.
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Objectives:

1. Identify Objectives
2. Break into interest groups to work objectives
 - develop presentation material to support objectives

OBJECTIVES:

- 1.The copper ad hoc membership support the following objectives for higher speed copper.
 - Equipment room - short copper
 - @ 10 gb/s minimum length of 10 meters.
 - Horizontal Cabling - long copper
 - @ a minimum of 2.5 gb/s on a minimum length of 100 meters of category 6 cabling.
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Objective Support:

We should be prepared to support the copper objective with presentations that address at least two of the five criteria used to characterize 802.3 technology.

- Market potential
- Technically feasibility

The technical feasibility should address the following elements of a technical specification for each different media type.

- PMD/(PHY) electrical signaling**
 - MDI connector specification**
 - Media cabling specification , distance supported**
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HSSG Motion-

Equipment Room (Short Haul) Current Status:

Ad hoc supports a copper solution with a minimum length of 10 meters.

HSSG Motion:

support a link distance of at least 10 m on copper cable @ ~10 Gb/s

Motion:

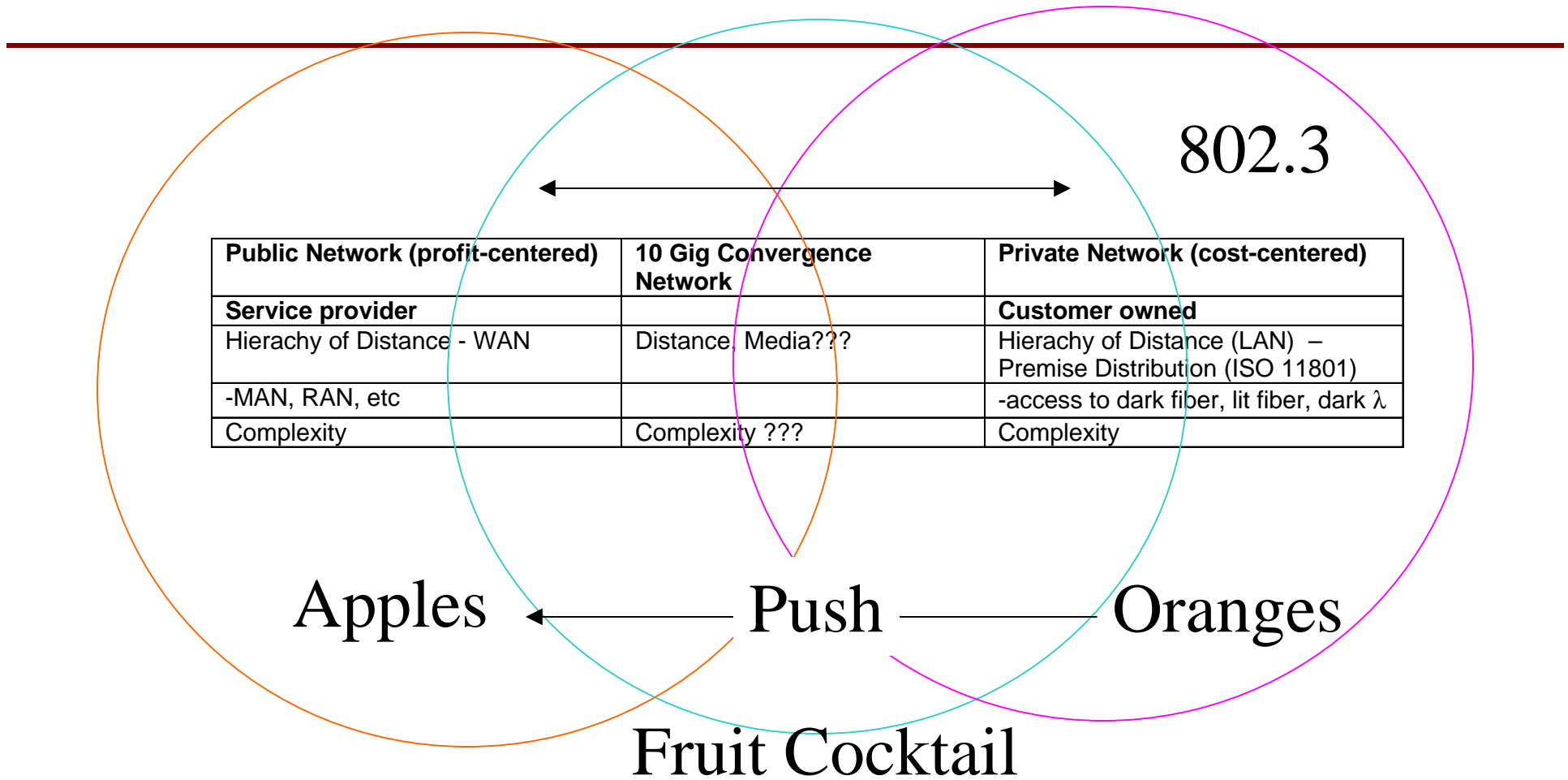
Second:

Presentations Planned:

Drew A. Plant (HP) - Equipment Room Copper Cable Proposal (10 min)

Rich Taborek (Transcendata)- 10 GbE CX - Short Haul Copper (20 min)

Support of 2.5 Gb/s multi-rate:



Support of 2.5 Gb/s multi-rate:

- Enhances current proposed interfaces (4 x 2.5 Gb/s)
 - enables fault tolerant 4 x 2.5 Gb/s
 - scalable speed
 - Leverage Technology
 - 1000BASE-T
 - growing installed base of Category 6
 - 10 x improvement in fiber ~ 2.5 x improvement in copper
 - risk of just moving the decimal point- 1 Gb/s - 10 Gb/s
 - Stems the flow of viable options- (ethernet everywhere)
 - power to the people
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HSSG Motion-

Horizontal Cabling (Long Haul) Current Status:

Ad Hoc supports objective. Presentations in process.

HSSG Motion:

support a link distance of at least 100 m on category 6

@ a minimum of 2.5 Gb/s, if possible.

Motion:

Second:
