

# Framework and Information model for G. 709 Optical Transport Network (OTN)

*draft-ietf-ccamp-gmpls-g709-framework-06*

*draft-ietf-ccamp-otn-g709-info-model-03*

Authors & Contributors

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# Draft Framework Changes from version .05 to .06 (1)

- Major change is related to the introduction of sub-chapter 5.5 with typical scenarios for backward compatibility.
  - A new Switching Type (OTN-TDM = 101) has been introduced to enable backward compatibility procedure
- Refinement on signaling constrains for support of layer multiplexing hierarchy signaling
  - Need at both ends of a server LSP for support of specific client multiplexing/demultiplexing
  - Requirement to send adaptation information (e.g. hierarchical information and TSG) to select proper link for carrying specific client

# Draft Framework Changes from version .05 to .06 (2)

- Signaling implication for Control of hitless adjustment of ODUflex
  - Indication of similarity with respect control of bandwidth increasing and decreasing as depicted in RFC 3209
- Routing implication for Control of hitless adjustment of ODUflex
  - Routing needs to know whether an ODU link can support hitless adjustment of ODUflex (GFP) and how much resources available for resizing
  - To do that a new signal type “ODUflex(GFP-F) resizable” indicating the support of the resizing for that link has been introduced.

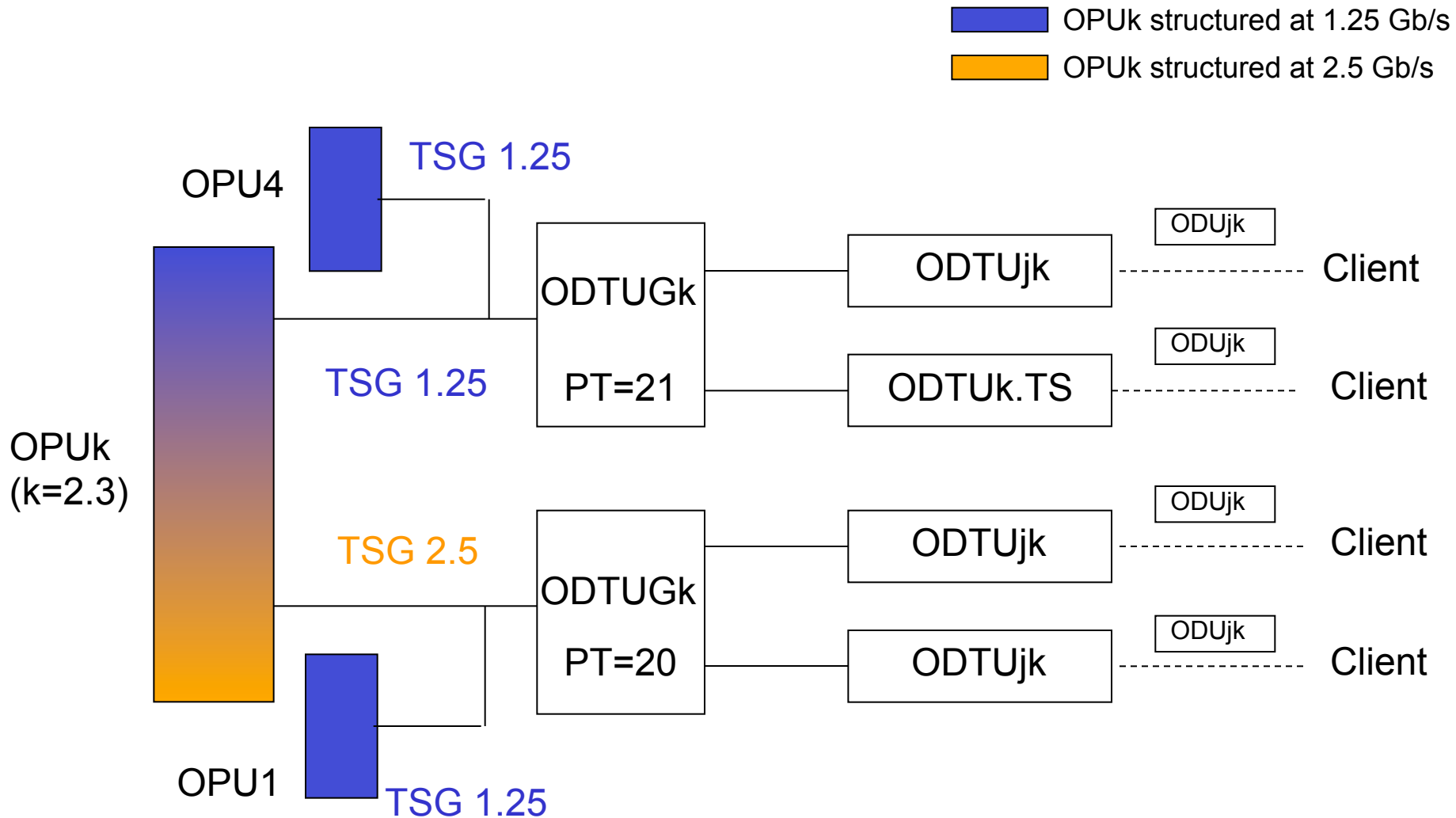
# Draft INFO Changes from version .02 to .03

- Updated section 4.1 on Tributary slot granularity as discussed in Taipei meeting.
  - Chapter has been split into “data plane “ and “control plane” part.
  - A sub-chapter explaining payload type and tributary slot granularity relationship has been added.

# TSG and PT relationship (1)

- Payload type is a one-byte in the OPUk OH able to indicate the composition of the OPUk signal.
- When PT assumes 20/21 value, it is used to characterize the ODU multiplexing structure.
- These two values together with OPUk type (k=1,2,3 or4), are able to discriminate how OPUk will be structured (TS 1.25 or 2.5)

# TSG and PT relationship (2)





## Next steps

- Authors think that both the drafts have reached a good levels of content and clarity.
- Authors think drafts can be ready for last call