

Minutes from OP-Zuid WP3 WP4 Technical Discussion Meeting

Monday 17 October 2016 13.30 to 15.30

Attendance – Kevin Williams, Huub Ambrosius, Longfei Shen, Weiming Yao, Ronald Broeke, Marcel van der Vliet (via phone), Rui Santos, Boudewijn Docter

Purpose of Meeting and Opening

- Purpose is an agreement on reporting structure for the project. Technical reports will be created at specified times for each work package to identify and capture the progress of the project.
- Milestones and Deliverables as specified in the attached documents are meant as internal reports for structuring the project and communication between partners
- OP-Zuid project is executed as first project of JTC
- Resources can be used by partners of OP-Zuid, regulative mechanism to allocate and distinguish resources from JTC and University will be established during the project

WP3 – Task 1: BB Design

- [Action, Bright, TUE] Document for each building block, specifying the concept and requirements on platform technology, impact on other building blocks and requirements on fabrication tolerances shall be drafted within 2 weeks. (coincides with WP3.1 M0)
- Iteration of BBs over several MPWs to get stable figure of merits before releasing into platform
- Iteration of BB design (several) to have stepwise increase in performance
- Assess impact of required technology change on all other platform's BBs and new BBs
- EFFECT prioritizes following BBs: Sport-Size converter, high-precision filter, high-speed modulators
- IP issue related with modulator is under discussion between EFFECT and Photon Delta in order to establish IP model that can act as guideline for similar issues in project

WP3- Task 2: PDK Content

- [Action, Bright] Draft list of requirements that make a PDK complete

WP3 – Task 3: BB Characterization

- Improve and complete BB level MPW test cell design
- Correlation between process control module measurements with BB performance figures needs to be established
- Smart will define the amount of space per MPW for external and internal users and also clarify who belongs to both groups
- Design of experiments shall be used in BB characterization

WP3 – Task 4: Design Environment

- D0 will be renamed "Standardized templates for establishing compact models"
- [Action, Bright, Phoenix] Reshape task 3.4 according to integrated design flow vision
- Data security is soon an issue and similar guidelines as in WIPE project can be adopted

WP3 – Task 5: Demonstrators

- Effect can provide rough sketch of demonstrator concept
- Emphasis on support in order to improve platform capabilities as demonstrator concept is dependent on market dynamics

WP4 – Process Technology

- [Action, Tue, Smart] List all known process parameters and link to BB specs and performances
- [Action, Tue, Bright] Translate BB concepts to process and technology requirements

Final Remarks

- Next meeting in 2 weeks on WP3, WP4 level
- WP3 Software discussion shall be separated from the other tasks