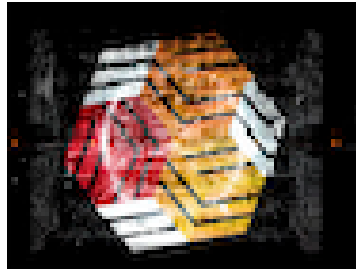Contribution ID: **30**   Type: **not specified**

OSD-Model implementation on EOS-wnc

Tuesday, 2 March 2021 10:20 (10 minutes)

Context: Optimal Software Implementation Model (OSD-Model) is to supervise and control development of EOS-wnc, where EOS-wnc is an important extension of Linux based EOS system for Windows platform.

Objectives: OSD-Model is used to manage development process to assure appropriate performance of the EOS-wnc on Windows platform on the same level as the performance of EOS Linux client. EOS-wnc has the same functionalities as the EOS client on Linux platform, where EOS Linux fulfil the highest demands for CERN experiments.

Method: Development process is managed with an OSD-Model in such a way, that graph vertices are requested functionalities and graph edges are test cases and f-influences between requested functionalities. Graph weights in the functionality graph are
(a) estimations for development costs for functionalities and functionality influences,
(b) estimations for test costs for functionality influences,
(c) functionality and f-influence significance,
(d) value for end user related to functionalities and f-influences.

Result: For each of required EOS-wnc command is defined their value and their significance. Defined are influences (f-influences) between required EOS-wnc commands with their values and their significance, similarly as values and significance of functionalities. According to available development resources, that could be changing during the development process, algorithms of the proposed OSD-Model determine the set of functionalities and f-influences to get the optimal EOS-wnc. In this case, the optimal EOS-wnc is the software that is at least on the same level of performance as the EOS Linux client.

Primary author: MOLAN, Gregor (COMTRADE D.O.O (SI))

Presenter: MOLAN, Gregor (COMTRADE D.O.O (SI))

Session Classification: EOS