

PR&PP Workshop

Tokyo

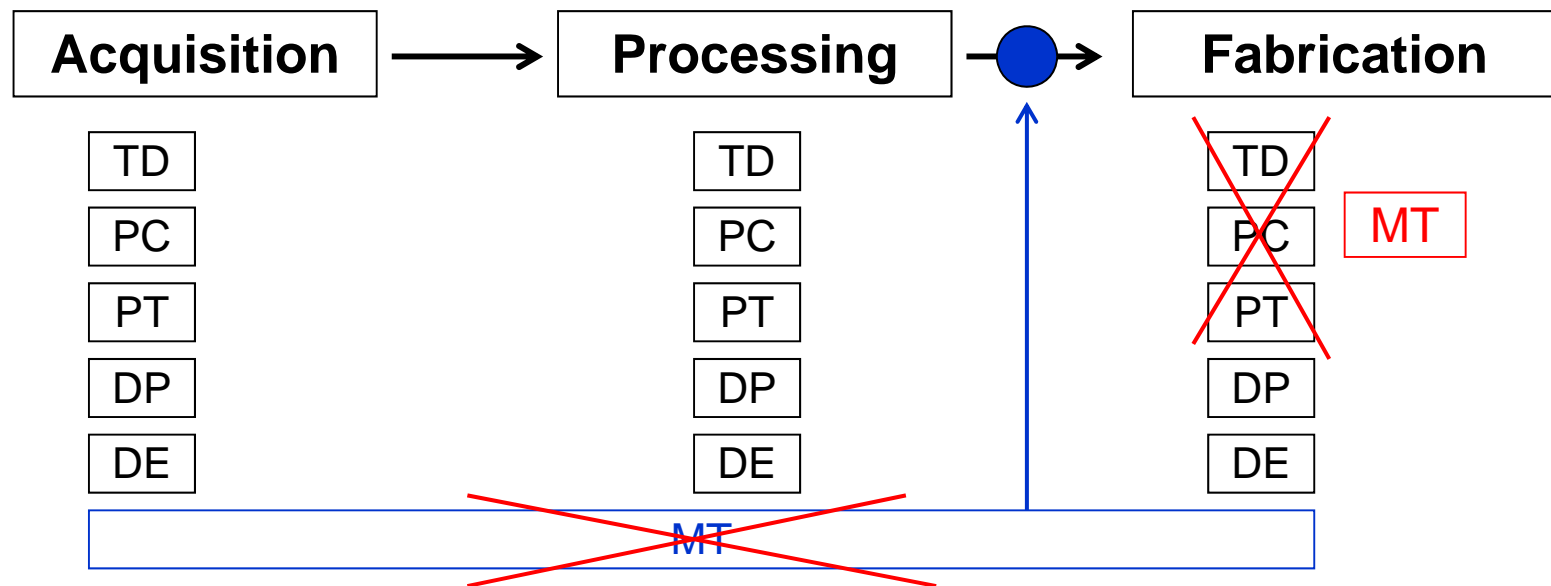
22 February 2011

Panel 1 : PR&PP EM Rev 6

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PR EM Measures



- MT is estimated for complete pathway, **in fact MT refers to the product from processing stage to fabrication stage;**
- There is no MT variation within a given pathway, if a proliferator is not satisfied with the MT of a given pathway, he will choose another pathway.
- TD, PC and PT related to segments of fabrication stage are very sensitive data. **They may be replaced by MT**

MT Measures

The usual estimated values for PR of MT are :



HEU	WG-Pu	RG-Pu	DB-Pu	LEU
Very Low	Low	Medium	High	Very High

→ The use of a **Figure of Merit (FOM)** may be useful :

- To take into account other materials
- To measure evolution of MT value from one pathway to another

→ **Bathke proposed a FOM** (see Global 2009 paper), according to Bathke :

- WG-Pu would be more attractive than HEU
- TRU from FBR (Am, Cm and Pu with a low content of Pu 238) would be more attractive than HEU

→ **The FOM proposed by Bathke is not able to reach a consensus** (probably underestimation of dose rate and spontaneous fission and perhaps overestimation of heat content)