DCLL Engineering and Design Costing Exercise (Report from Wong)

Most members are active on this exercise, except Sharafat and Willms as of 05/10/05

Most WBS definitions have been inputted.

Many detailed tasks have been identified, a few of the WBS can be collapsed, e.g safety, Be-coating, FS engineering/fabrication.

Costing in hardware begins.

Observations:

1. At the SOFE meeting at Knoxville, there was a meeting on ITER codes and standards:

P. Barabaschi of ITER said that to the French Regulator, the Licensing Operator of ITER (ITER organization) is the responsible party. French has standards but no codes (like ASME section III). Therefore N-stamp is not needed. ITER is treated as an experimental nuclear facility and they have clear standards.

Continued discussion on C & S for the areas of Safety, SC-magnet, Electrical system and Mechanical Systems. The Standards for Electrical system are different between the US and France, e.g. 50 Hz. For future detailed costing we will have to be aware of that.

3. Uncertainties in our costing exercise:

Q1: Are we using the right costing table?

Example ans: We could be but just filling in the appropriate cells.

Q2: Do we need to fill out 10 years of costing?

Example ans: Yes, in order to get the spending profile for the next 10 years.

Q3: Are we filling in burdened or unburdened costs?

Example ans: Put in burdened cost to avoid $/hr details, but add approx. FTE.

Q4: How are we going to handle risk?

Example ans: I don’t know.

Individual comments/questions/concerns: Dagher, Rowcliffe/Kurtz, Swan/Youssef, Smolentsev, Sviatoslavsky, Sharafat, Merrill, Willms, Ulrickson/Zinkle, Morley, Pint.