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Software Engineering
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NOTE: To be discussed at the next Advisory Group meeting

Study Report on Project 7.27.02.

1. Purpose of this Document. To identify and justify the work output of the Software Project Management Sub-Group of WG8.
2. Scope of Report. Covers the following topics:
 0. Purpose of this report
 1. Scope of Report
 2. Scope of Project 7.27.02
 3. Purpose of project / justification
 4. Pros / Cons for Project 7.27.02
 - Why needed
 - Why not needed
 5. Recommendation for Project
 6. Program of work with schedules
 7. Relevant documents
 8. Required resources
 9. Co-operation & Liaison
 10. Member bodies who will participate and, will they attend international meetings?
3. Scope of Project 7.27.02. To describe how the term “management at the project level” which occurs in ISO/IEC 12207:1995 may be performed in any of the primary processes in that standard. Additionally the project will supplement the guidance on the quality aspects of project management given in ISO DIS 10006:1995. The project will address aspects of project management that are either “software - specific” or are known to cause problems in software projects in any of the primary processes of ISO/IEC 12207.
4. Purpose of project / justification. It is well established that software projects usually are late and over budget or are unable to meet the acquirer’s requirements or expectations. While this is not peculiar to software, there are a number of software specific attributes that assist this. This project aims to provide the practising software project manager with assistance and advice to supplement that given in ISO 10006. The structure of the guidance should also align with the primary and supporting processes of ISO/IEC 12207.
5. Pros / Cons for Project 7.27.02. This project is needed because of the propensity of software projects to be subject to delay and cost overruns, as well as the lack of specific training or guidance available to software project managers.

On the other hand there are a number of existing books on the subject which provide some guidance, but generally lack the rigor of the ISO/IEC 12207 structure.
6. Recommendation for the project. The sub-group of WG8 recommends the continuance of the Project to develop a Technical Report to supplement both ISO/IEC 12207 and ISO 10006 with specialist guidance for the software industry.
7. Program of work and schedules. The project is expected to achieve PDTR ballot after the June 1997 meeting, and DTR status one year later.
8. Relevant Documents.
 1. ISO/IEC 12207
 2. ISO 10006
 3. A Guide to the Project Management Body of Knowledge (PMBOK), Project Management Institute

9. Resources Required. The project is expected to consume a further 60 person-days of meeting time and an additional 60 person-days for the Project Editor.

10. Co-operation & Liaison. The primary point for co-operation will be the ISO/IEC 12207 Handbook sub-group of WG7, liaison must be maintained with ISO TC176 SC2 WG8 for project management as it progresses its DIS and resolves comments. Liaison should be established with the Project Management Institute in order to determine any activities proposed by that organisation in the software area. The elements of the Management Processes described in the documents of WG10 should also be monitored as these documents pass through the approval process.

11. Participation. USNB has agreed to provide the Project Editor and the national bodies of Australia, Czech Republic, France and Japan have offered to provide experts, the majority of whom are available to attend International meetings.