



ISO/IEC JTC1/SC7  
Software Engineering  
Secretariat: CANADA (SCC)

## ISO/IEC JTC1/SC7 N1770

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# Recognition of Software Engineering as a Horizontal Function within ISO/IEC

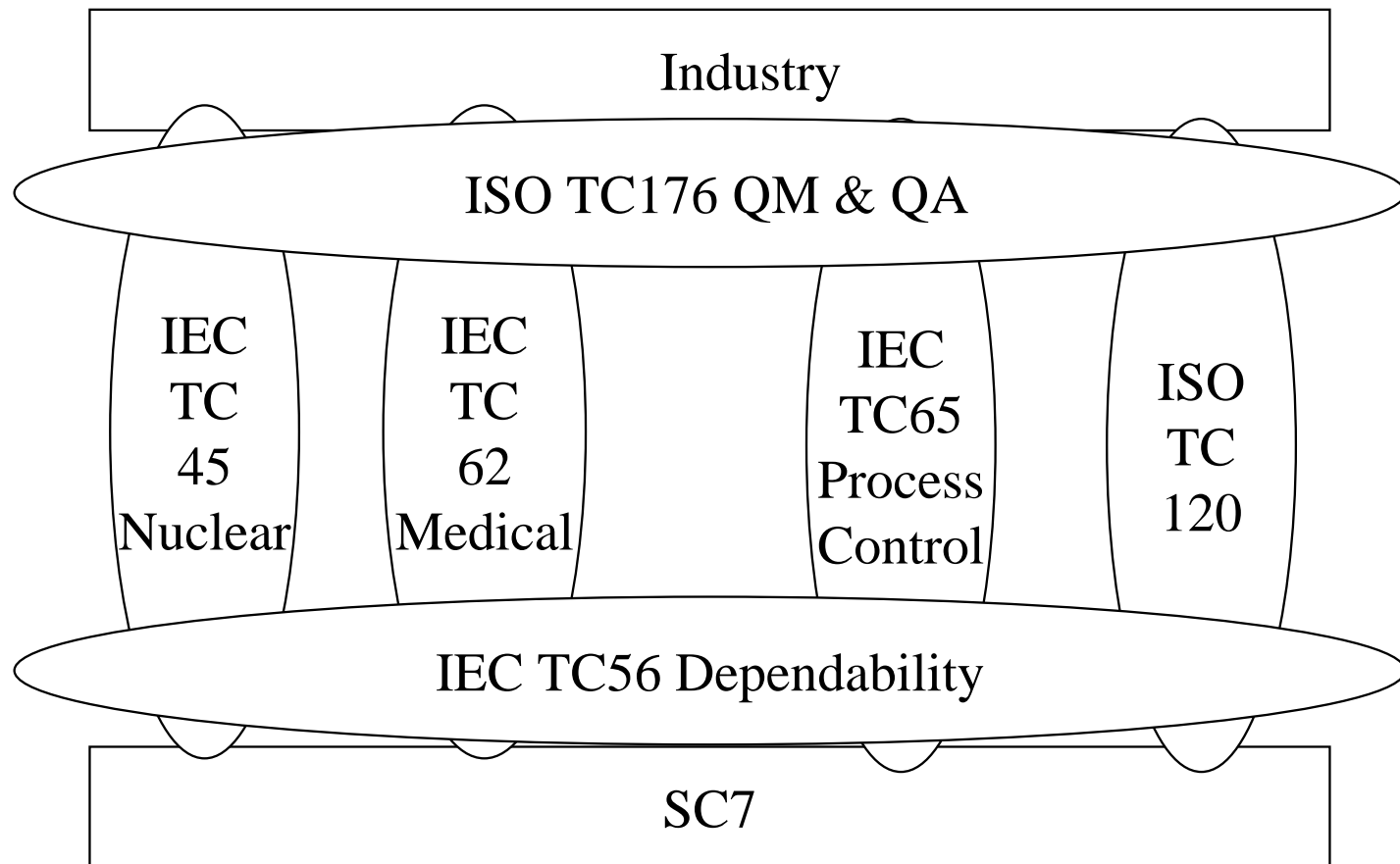
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Chair-elect, ISO/IEC JTC1/SC7

# Definitions

- Horizontal function: Treatment of subjects such as fundamental principles, concepts, terminology or technical characteristics, relevant to a number of TCs.
- Horizontal committee: TC exclusively performing a horizontal function.
- Product committee: TC having a scope which covers a specific product or group of related products.

Source: IEC Guide 108

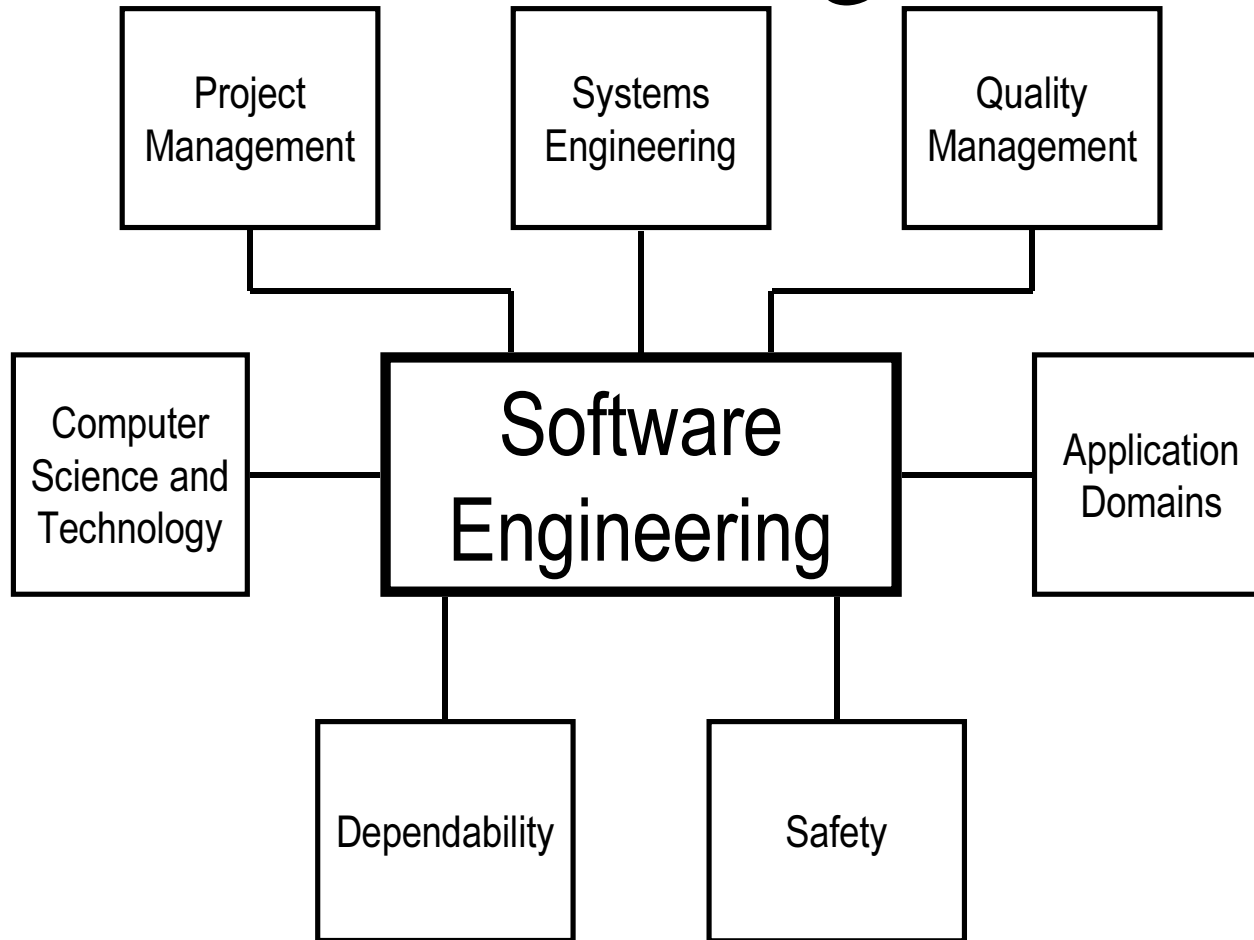
# Current Situation



# Current Problems

- Inconsistency of publications
- Inconsistent terminology
- Lack of cohesiveness
- Duplication of effort

# Context Diagram



# Contributing Factors

- Emergence of Body of Knowledge for Software Engineering
- Efforts to Establish Software Engineering as a Discipline (ACS, BCS, IEEE CS)
- Expect that professional societies will recognize software engineering as a discipline by 2005

# Benefits

- JTC1

- Promotes software as a Technical Direction
- Reduce liaison overhead

- Standards Users

- consistency of ISO & IEC publications on software related topics
- improve mutual understanding of related disciplines



# Implementation Issues

- Establish of transition timetable
- Obtain ISO and IEC approval
- Clarify list of involved technical committees
- Establish relationships between SC7 and involved technical committees

# Recommended Actions

- Endorse SC7 request for software engineering to be recognized as a horizontal function
- Forward request to ISO and IEC