



ISO/IEC JTC1/SC7  
Software Engineering  
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## ISO/IEC JTC1/SC7 N1760

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# **Process Measurement Study Group Report and Recommendations**

*June 8, 1997*

*JTC1/SC7 Advisory Group  
Walnut Creek Plenary*

## **Chronology**

- **Authorization - ISO/IEC JTC1/SC7 Resolution 400 June 1995 - Software Process Measurement**
- **Study Group Period Extended for an Additional Year - May 1996**
- **Technical Material Prepared and Reviewed by Study Group Participants - JTC1/SC7 N1531**
  - *Eight National Bodies*
  - *WG6, WG7, WG10, WG12 Convenors*

## **Objectives**

- **Determine the Requirements and Technical Basis for a Software Process Measurement Standard**
- **Assess the Need for a Common Software Measurement Framework - Identify Normative Requirements**
- **Identify the Relationships Between Process, Product, and Process Improvement Measurement**

## **Results**

- **Normative Measurement Framework Requirements Extend Beyond Software Process Measurement**
- **Clear Need to Define/Standardize:**
  - *Normative Measurement Activities/Processes*
  - *Consistent Measurement Terminology*
- **Strong Technical Consensus/Consistency:**
  - *Process, Product, Process Improvement*
  - *Measurement Requirements/Approach*
  - *Measurement in Practice*

## **Recommendations**

- **Establish a New JTC1/SC7 Project to Develop a Software Measurement Framework Standard to Address All Measurement Requirements**
- **Develop Normative Guidance to Focus on:**
  - *Activities/Process to Define Measurement Requirements and Apply Measurement Results*
  - *Software Measurement Terminology*
- **Establish a new JTC1/SC7 Working Group to Draft The Standard -**

**Participants Should Include Those With WG6, WG7, WG10, and WG12 Experience**

## **Implementation Objectives**

- **Directly Address Market Needs:**
  - *User Demand for Trusted Measurement Results*
  - *Two Party Management Requirements*
  - *Consistent Measurement Guidance*
- **Efficient Development Plan**
  - *Minimal Number of Products*
  - *Experienced Participants*
  - *Build on Existing JTC1/SC7 Efforts*
  - *Defined WG6, WG7, WG10, WG12 Interfaces*
- **Directly “Market” the Standard and Related Products**

## **Action Plan**

- **SC7 AG Approve Study Group Recommendations**
- **Draft SC7 Resolution**
- **Initial Meeting of Participants at Walnut Creek**
- **Draft Project Requirements, New Project Start, Other Required Documents**
- **Draft Project Plan and Schedule**

## **Study Group Participants**

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**IEEE IEEE 1061 Committee**