



**Date: 1997-10-01**

**ISO/IEC JTC 1/SC 21  
OPEN SYSTEMS INTERCONNECTION,  
DATA MANAGEMENT AND OPEN DISTRIBUTED PROCESSING  
Secretariat: U.S.A. (ANSI)**

**TITLE:** Resolutions of the Thirteenth Meeting of ISO/IEC JTC 1/ SC21, 29 September - 1 October 1997, Victoria, British Columbia, Canada

**SOURCE:** ISO/IEC JTC 1/SC21

**PROJECT:** ---

**STATUS:** Resolutions adopted at the Thirteenth Meeting of ISO/IEC JTC 1/SC21, 29 September - 1 October 1997, Victoria, British Columbia, Canada

**REQUESTED ACTION:**

**DISTRIBUTION:** P and L Members  
JTC 1/SC21 Officers

Address Reply to:

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**Resolution 1: Recommendations from SC21/WG3**

JTC1/SC21 has considered the requests listed in the recommendations of the SC21/WG3 meeting held in London in July/August, 1997 and requests its Secretariat to take the actions as noted in Attachment 1.

*Approved*

**Resolution 2: Recommendations from SC21/WG7**

JTC1/SC21 has considered the requests listed in the recommendations of the SC21/WG7 meeting held in Helsinki in July, 1997 and requests its Secretariat to take the actions as noted in Attachment 2.

*Approved*

**Resolution 3: Recommendations from the ASN.1 Rapporteur Group**

JTC1/SC21 has considered the requests listed in the recommendations of the ASN.1 Rapporteur Group meeting held in London in July/August, 1997 and requests its Secretariat to take the actions as noted in Attachment 3.

*Approved*

**Resolution 4: Liaison with IATA**

JTC1/SC21 notes the request from IATA for establishment of liaison with SC21 and requests JTC1 to approve the establishment of Category B liaison between IATA and SC33.

NOTE: SC21 is recommending that SC21 liaisons be adopted by SC32 and 33.

*Approved*

**Resolution 5: Cancellation of Projects/Withdrawal of Standards**

JTC1/SC21 requests its Secretariat to submit the following projects to JTC1 as candidates for cancellation and to remove them from the Programs of Work for SC32 and SC33.

| Project Number        | Reference                | Title  | Comment  |
|-----------------------|--------------------------|--|--|
| 1.21.20.02.02         | ISO 8807/DAM1            | Lotos - Graphical Representation                   | Proposed for cancellation in Kansas City if not published by the time of the next SC21 meeting |
| 1.21.28.06.05.01      | ISO/IEC 10164-14/Annexes | Confidence and diagnostic test categories          | Published already as an annex, or inactive   |
| 1.21.12.08.01, 03, 04 | ISO 8571-1,3,4/DAM3      | FTAM Service Enhancements                          | No progression as second edition of standard cancelled   |
| 1.21.74               | NP 14770                 | OSI Efficiency Technical Report                    | No progress, no active resources   |
| 1.21.60               | CD 13796                 | Security association management and support        | Insufficient resources and interest  |
| 1.21.19.03            | ISO/IEC TR 10730/PDAM1   | Naming and addressing tutorial for Directory Names | Cancel if text is not available by December 31, 1997   |
| 1.21.29.14.01, 02     | ISO/IEC 14608-01, 02     | Directory access PICS Pro forma                    | Withdraw when new versions are available   |
| 1.21.35.08            | ISO/IEC 13650-1          | TP test suite structure and test                   | Cancel if text is not completed by   |

|  |  |          |                   |
|--|--|----------|-------------------|
|  |  | purposes | December 31, 1997 |
|  |  |          |                   |

*Approved*

**Resolution 6: Retention of the 1990 Version of the ASN.1 Standards**

JTC1/SC21 notes the recommendation from the ASN.1 Rapporteur Group to withdraw the 1990 versions of the ASN.1 standards. However, JTC1/SC21 accepts the current requirement for retention of the 1990 versions. Finally, JTC1/SC21 also recognizes the need to encourage the transition to newer versions. SC21 therefore requests its Secretariat to confirm the continued need for these standards and recommends that SC33 hold a special joint meeting during the proposed Brisbane meeting to develop a formal transition plan.

*Approved*

**Resolution 7: Retention of ACSE Standards and Re-numbering of A2CSE Standards**

JTC1/SC21 requests its Secretariat to circulate the proposal in SC21 N11149 for letter ballot closing November 1, 1997 and to forward the results of the ballot for consideration at the A2CSE editing meeting.

*Approved*

**Resolution 8: Response to AFNOR Position on Joint Work with the OMG**

JTC1/SC21 has reviewed the AFNOR contribution SC21N11135, “Comments on document SC21N11020 - SC21/WG 7 Proposal on SC33 Strategy for Joint Work with OMG”.

JTC1/SC21, however, has agreed that a single person cannot determine any formal SC33 position on the OMG Architecture Board matters without conducting a vote amongst the member bodies of SC33. Thus, SC21 does not endorse a liaison representative formally voting on behalf of SC33.

SC21 does, however, endorse the notion of a RFP person (as described in SC21N11020) assisting and advising OMG members on Standards transposition matters.

*Approved*

**Resolution 9: TP Maintenance**

JTC1/SC21 assigns the maintenance of the Transaction Processing standards, including the XA standard, to the SC33 Maintenance Group in accordance with the terms of SC21N10667.

*Approved*

**Resolution 10: SC32 Organization Meetings**

The invitation to participate in a preliminary SC32 discussion meeting in Paris on October 14, 1997 co-located with the SC30 Plenary is noted. Dr. T. William Olle (UK) is authorized to attend this meeting and to present the content of SC21 N11146 (SC21 Proposals for the new SC32), SC21N11147 and SC21N11148. In addition, other active participants in SC21/WG3 are encouraged to attend this meeting.

JTC1/SC21 requests its Secretariat to forward SC21N11146, SC21N11147, and SC21N11148 to the Secretariats of SC14 and SC30 as soon as possible.

JTC1 has requested that SC32 and other new subcommittees resulting from JTC1 re-engineering hold formally convened

planning meetings prior to the next JTC1 plenary meeting in June 1998. SC21 therefore requests that the JTC1 Secretariat schedule a formally convened planning meeting prior to June 1998 Plenary in Sendai, Japan. This meeting should be scheduled at a date and location agreeable to SC14, SC21/WG3 and SC30.

*Approved*

**Resolution 11: Response to JTC 1 Resolution 18**

JTC1/SC21 has prepared the following documents in response to Resolution 18 from the eleventh meeting of ISO/IEC JTC1 (JTC1N5018). JTC1/SC21 requests its Secretariat to forward these documents to JTC1, to the SC21 NBLOs, and to SC32 and SC33:

|            |   |
|------------|---|
| 21 N 11146 | SC 21 proposals for the new JTC 1/SC 32               |
| 21 N 11147 | SC 21 considerations concerning secretariat support   |
| 21 N 11151 | SC 21 proposed strategy for SC 33 joint work with OMG |
| 21 N 11152 | SC 21 personnel                                       |
| 21 N 11153 | SC 21 schedule of meetings                            |
| 21 N 11154 | SC 21 proposals for the new JTC 1/SC 33               |

*Approved*

**Resolution 12: Proposed Actions on the Output from the Seattle and Berkeley Workshops**

JTC1/SC21 approves document SC21N11148, "Proposed action on output from Seattle and Berkeley workshops", and requests its Secretariat to forward this document to SC32 for processing. In addition, SC21 requests its Secretariat to forward SC21 N11148 to JTC1 for information, noting the proposed timing of the planned workshop will necessitate approval by JTC1 prior to its June 1998 Plenary in Sendai, Japan.

*Approved*

**Resolution 13: Proposed SC 33 Planning Meeting**

SC 21 notes that SC 21 WG 7 is scheduled to meet in Berlin in January, 1998. In order to establish an operational SC 33 in as timely a manner as possible SC 21 requests JTC 1 to authorize the Berlin meeting to be the first planning meeting of SC 33. If approved, SC 21 requests the SC 33 Secretariat to issue a calling notice to NBs of SC21 and SC18.

*Approved*

**Acclamations**

**Resolution 14: Hosting of Final Meeting**

JTC1/SC21 wishes to thank the Canadian National Body for hosting the September, 1997 meeting of SC21. In particular, SC21 thanks Bob Sunday for his efforts in organizing and hosting the meeting in Victoria in an exceptional manner.

*Acclaimed*

**Resolution 15: Appreciation to Sponsors**

JTC1/SC21 thanks the sponsors of the Victoria meeting for their generous support both now and in the previous meetings held in Canada. The following organizations have made generous contributions: Nortel Technology (BNR), Digital Equipment Canada, the Canadian Standards Association, Microstar, AT&T Global Information Solutions (now NCR Corporation), Hewlett Packard, Mitel, IBM, University of Ottawa, Canon, Treasury Board Canada, Information Systems Management Corporation and the Canadian Interest Group on Open Systems.

*Acclaimed*

**Resolution 16: Appreciation to Acting Chairperson**

JTC1/SC21 thanks Mr. Bryan Wood, the acting Chairperson for this meeting, for stepping in to demonstrate how well meetings can be run and for setting a good example for the new SCs to follow.

*Acclaimed*

**Resolution 17: Resignation of Chairperson**

JTC1/SC21 accepts with regret the resignation of its Chairperson, Mr. Paul Bartoli, and wishes him the best of luck in all future endeavours. Paul has been a strong supporter of the SC16 and SC21 committees, having been involved for more than 20 years both as a technical expert and as a leader.

JTC1/SC21 hopes that Paul will continue to take an interest in the work of SC32 and SC33 and, if possible, to offer his wisdom and experience during the formative stages of the new committees.

*Acclaimed*

**Resolution 18: Resignation of SC21 Secretariat**

JTC1/SC21 accepts with regret the resignation of Jean Shildneck and ANSI as Secretariat for SC21. It is clear to everyone involved that the Secretariat is what has made SC21 operate efficiently and effectively. It would not have been possible to be successful without Jean's support and assistance at all levels of SC21 operation.

*Acclaimed*

**Resolution 19: Notice of Relinquishment of WG7 Secretariat**

SC 21 notes with regret the intention of the WG7 Secretariat to relinquish their position at the June 1998 meeting.

SC21 thanks David Bruce-Steer for his continuous devotion toward running the WG7 secretariat so well for the past 3 years.

*Acclaimed*

**Resolution 20: Notice of Expiration of WG7 Convenor's Second Term of Office**

SC 21 notes with regret the intention of the WG7 Convenor to not renew his position for a third term of office.

SC21 graciously thanks its outgoing Convenor, Eng Chew, who, in his two three year terms, guided to completion the Reference Model for Open Distributed Processing, and the launch of the ODP standards program in close liaison with the OMG.

*Acclaimed*

**Resolution 21: Drafting Committee Appreciation**

JTC1/SC21 thanks its final drafting committee, consisting of Don Sheppard, Mike Purton, Tom Rutt, Jean Shildneck and Ipei Hayashi, for their efforts in producing the resolutions for the meeting in Victoria.

*Acclaimed*

**Resolution 22: Final Appreciation to all Current and Past Chairs, Secretariats, Convenors, Rapporteurs, Editors and Delegates**

JTC1/SC21 wishes to thank all its Chairs, Secretariats, Convenors, Rapporteurs, Editors, Delegates and other Supporters, both current and over the past thirteen years, for all their hard work and dedication to the production of standards for Open Systems Interconnection, Data Management and Open Distributed Processing. It has been a massive task to plan, organize, develop, and produce the many standards that are now available.

The number of Plenary meetings and their worldwide locations as listed below, are an indication of the truly international need for and participation in the work of SC21:

- SC21 Planning (84), Paris (1/85), Egham (9/86), Washington (3/88), Sydney (12/88), Florence (11/89), Seoul (5/90), Arles (5/91), Ottawa (6/92), Yokohama (6/93), Southampton (7/94), Ottawa (6/95), Kansas City (5/96), New York Strategic Planning (11/96), Victoria (9/97)

It is hoped that as many of the people associated with SC21 as possible will continue to be actively involved in the new beginnings that will occur with SC32 and SC33.

*Acclaimed*

## Attachment 1: Extracts from the Recommendations of WG3

### Recommendation WG3.4 Final Answers to Questions

SC 21/WG 3 notes that all National Bodies voting on the following questions are in favour of the draft answer, and so recommends that the draft answer becomes the final answer for each question.

| Answer   | Question # | Title                                       | Summary of voting |
|----------|------------|---|-------------------|
| 21N10484 | Q3/009     | Approach to remote IRDS access              | 21N10696          |
| 21N9831  | Q3/010     | ODP and distributed database systems        | 21N10538 (Note 1) |
| 21N9832  | Q3/011     | Harmonization of client/server capabilities | 21N10539          |
| 21N10485 | Q3/013     | The role of WG3 in database profiling       | 21N10882          |

Note 1 WG3 has considered the comment attached to the German ballot, and recommends that this matter is progressed by WG7.

### *Approved by SC21*

### Recommendation WG3.9 Request for CD/PDAM/PDTR ballots

SC21/WG3 requests the SC21 Secretariat to circulate the following documents, on receipt, for CD/PDAM/PDTR ballot. The status of these ballots are subject to confirmation by the SC21 September 1997 Plenary.

| Document # | Project # | Editor            | Designation | Title   | Notes  |
|------------|-----------|-------------------|-------------|---|--|
|            | 1.21.6.7  | T. J. Bourne      | CD 10728    | Extensions to IRDS Services Framework   | Based on 3N1566/21N8202                                |
|            | 1.21.6.8  | D. J. L. Gradwell | CD 10027    | Revision to IRDS Framework  | 21N10412 (= WD out of Kansas City)                     |
|            | 1.21.58.1 | J. Berube         | CD 13238-1  | Data Management Export/Import Facilities Part 1: Export/Import Framework          | 3N2069/21N10411 (= WD out of Kansas City)              |
|            | 1.21.58.2 | T. W. Olle        | CD 13238-2  | Data Management Export/Import Facilities Part 2: Export/Import Facilities for SQL | 3N2068 (* Already approved for CD reg. in Kansas City) |
|            | 1.21.6.6  | D. Bartley        | CD xxxxx.x  | Design Support for SQL Applications   | Based on 3N1967  |

| Document # | Project # | Editor | Designation | Title | Notes |
|------------|-----------|--------|-------------|-------|-------|
|------------|-----------|--------|-------------|-------|-------|

|  |           |               |            |   |   |
|--|-----------|---------------|------------|---|---|
|  | 1.21.34.4 | Robin Barker  | CD 14447   | OSI TP Security                                 | 21N10913 = WD text.<br>3N2108 = Inst to Ed. |
|  | 1.21.64.4 | Mark Ashworth | CD 13249-4 | SQL/MM Part 4:<br>General Purpose<br>Facilities |   |
|  | 1.21.64.5 | Paul Cotton   | CD 13249-5 | SQL/MM Part 5:<br>Still Image                   | 21N10902 = WD text.                         |

*Approved by SC21*

**Recommendation WG3.11 Request for Final CD/Final PDAM ballots**

SC21/WG3 requests the SC21 Secretariat to circulate the following documents, on receipt, for CD/PDAM/PDTR ballot. The status of these ballots are subject to confirmation by the SC21 September 1997 Plenary.

| Dof C & Document #  | Project #   | Editor           | Designation                                    | Title   | Notes                                |
|---|-------------|------------------|--|---|--------------------------------------|
|   | 1.21.3.4.1  | Jim Melton       | FCD 9075-1                                     | Database Language SQL<br>Part 1: Framework                    | 21N9462<br>= WD                      |
|   | 1.21.3.4.4  | Jim Melton       | FCD 9075-4                                     | Database Language SQL<br>Part 4: Persistent Stored<br>Modules | 21N9465<br>= WD                      |
| 21N11105<br>= Proposed<br>FCD text<br>opening<br>1997.10.10 | 1.21.31.4.1 | John Hadjioannou | FCD 9579<br>(Ed. 1 of<br>consolidated<br>text) | Remote Database Access for<br>SQL (RDA/SQL)                   | 3N2096 /<br>21N10881<br>= UK contrib |

*Approved by SC21*

**Recommendation WG3.12 Request for Delegation of Authority for Final CD/Final PDAM ballots**

SC 21/WG X forwards the following documents for consideration at the SC 21 September 1997 Plenary for approval for delegation of authority to the interim meeting indicated to register the projects shown below for FCD/FPDAM ballot. If approved, and upon receipt of the text, the SC 21 Secretary is instructed to confirm with the WG Convenor and the SC 21 Chair that it should be registered, and then circulate the document for FCD/FPDAM ballot.

SC 21 requests approval for delegation of authority to the interim meeting indicated to register the projects shown below for FCD/FPDAM ballot. All recommendations on texts for FCD/FPDAM ballot made at interim meetings must be reviewed and confirmed by the relevant WG Convenor, the SC 21 Chair, and the SC 21 Secretary prior to registration. Upon receipt of the text and the final Disposition of Comments Report, the Secretary is instructed to confirm that it should be registered and then circulate the document for FCD/FPDAM ballot.

| Project # | Editor | Designation | Title | Notes/<br>Conditions |
|-----------|--------|-------------|-------|----------------------|
|-----------|--------|-------------|-------|----------------------|



|             |    |  |   |  |
|-------------|----|--|---|--|
| 1.21.31.4.1 | JH | 9579-2 /FPDAM 1 (Request for subproject) | Information Technology Remote Database Access for SQL(RDA/SQL) – Secure RDA |  |
|-------------|----|--|---|--|

**Approved by SC21**

**Recommendation WG3.18 Cancellation/Suspension of Projects**

SC 21/WG X approves the project cancellations and suspensions shown below for the reasons indicated, and requests the SC 21 Secretary to forward the list to JTC 1 and ITTF for action, as appropriate.

| Project #    | Designation | Title   | Recommendation and Rationale  |
|--------------|-------------|---|---|
| 1.21.3.4.8   | 9075-8      | SQL Part 8, Extended object support for SQL                   | Content absorbed into 9075-1,9075-2,9075-3, 9075-4,9075-5   |
| 1.21.31.3.2  | 9579-3/2    | RDA Part 3: RDA SQL PICS Proforma Amendment 2                 | See 3N2012 / 21N11086   |
| 1.21.31.1.2  | 9579-1/2    | RDA Part 1: Amendment 2 Extensions for new market requirement | See 3N2012 / 21N11086   |
| 1.21.34.12.1 | 10026-1/1   | TP Model, subtransactions                                     | Suspend; Implementation and OMG work expected to clarify requirements and details for OSI TP amendments |
| 1.21.34.12.2 | 10026-2/1   | TP Service, subtransactions                                   | Suspend; Implementation and OMG work expected to clarify requirements and details for OSI TP amendments |
| 1.21.34.12.3 | 10026-3/1   | TP Protocol, subtransactions                                  | Suspend; Implementation and OMG work expected to clarify requirements and details for OSI TP amendments |
| 1.21.34.7.3  | 10026-8     | TP – Transactional RPC  | Cancel; TOG liaison unsuccessful. (See 21N10956)  |
| 1.21.34.7.2  | 10026-7     | TP Message Queuing  | Cancel; no editor; uncertain NP support; doubt cast on utility.<br>NOTE: this has completed DIS ballot  |

**Approved by SC21**

**Recommendation WG3.20 Renumbering of Projects**

SC 21/WG X approves the revised project numbers shown below for the reasons indicated, and requests the SC

21 Secretary to forward the list to JTC 1 and ITTF for action, as appropriate.

| Previous Project # | Proposed Project # | Designation | Title  | Rationale                              |
|--------------------|--------------------|-------------|--|--|
| 1.21.31.2.2        | 1.21.31.4          | 9579        | Remote Database Access for SQL (RDA/SQL) / 3 <sup>rd</sup> Edition | To reflect cancellation of other parts |

***Approved by SC21***

**Recommendation WG3.21 Renaming of Projects**

SC 21/WG X approves the revised project names and/or ISO/IEC designation numbers shown below for the reasons indicated, and requests the SC 21 Secretary to forward the list to JTC 1 and ITTF for action, as appropriate.

| Project #  | Previous Designation and Title                  | Proposed Designation and Title                | Rationale                                    |
|------------|---|---|--|
| 1.21.34.13 | Long-running transactions on the World-Wide Web | Distributed Commitment in Electronic Commerce | Original title misleading and over-defining. |

***Approved by SC21***

**Recommendation WG3.22 Subdivisions of Projects**

SC 21/WG X approves the administrative project subdivisions shown below for the reasons indicated, and requests the SC 21 Secretary to forward the list to JTC 1 and ITTF for action, as appropriate.

| Previous Project #      | Proposed Project #s       | Editors          | Proposed Designations                                     | Proposed Titles   | Rationale   |
|-------------------------|---------------------------|------------------|---|---|---|
| 1.21.3.4                | 1.21.3.4.10<br>see Note 1 | Jim Melton       | 9075-10<br><br>see Note 1                                 | Database Language SQL:, Part 10: Object Language Bindings           | See 3N2105 / 21N1115  |
| 1.21.31.4<br>see Note 2 | 1.21.31.4.1               | John Hadjioannou | 9579:199x/1 (Amd 1 to first edition of RDA without parts) | Remote Database Access for SQL (RDA/SQL) – Amendment 1 - Secure RDA | See 3N2012 / 21N11086: Strategic directions for RDA and 3N2095 / 21N11087: Rationale for organizing RDA projects. |

|                         |           |                  |  |   |  |
|-------------------------|-----------|------------------|--|---|--|
| 1.21.31.4<br>see Note 2 | 1.21.31.5 | John Hadjioannou | 9579: xxxx<br>(second edition of RDA without parts | Remote Database Access for SQL 4 <sup>th</sup> Edition – Support for SQL3 | See 3N2012 / 21N11086: Strategic directions for RDA and 3N2095 / 21N11087: Rationale for organizing RDA projects |
|-------------------------|-----------|------------------|--|---|--|

Note 1: The specified project number is chosen to maintain consistency with NB standards and allow for future NB proposals

Note 2: This is the revised number, according to resolution 3.20.

Note 3: NBs committed to participating are: Canada, Italy, Japan, UK, USA

***Approved by SC21***

**Recommendation WG3.27 Establishment of Liaisons**

Based on the referenced document containing a statement of benefits and contact information, SC 21/WG 3 requests the SC 21 Secretary to seek JTC 1 and/or ITTF approval where necessary and to establish the liaisons indicated in the list below. SC 21/WG 3 further nominates the named individuals as liaison representatives.

| Document #        | Organization                 | Category | Area(s) of Liaison Activity | Representative(s) |
|-------------------|------------------------------|----------|-----------------------------|-------------------|
| 3N2098 / 21N11054 | <i>Expertnet SA (MEDSEC)</i> | C        | <i>Secure Database</i>      | John Hadjioannou  |
| 3N2106 / 21N11061 | <i>CEN/TC310 AMT</i>         |          | <i>Data</i>                 | Bill Olle         |

***Approved by SC21***

**Resolution WG3.30.0 Change of Name of Rapporteur Group**

| Name  | New Name                    | Notes  |
|---|-----------------------------|--|
| Transaction Processing/Commitment, Concurrency and Recovery | Transaction Processing (TP) | Current work is not confined to OSI stack, but covers open distributed transactions more widely. |

***Approved by SC21***

## Attachment 2: Extracts from the Recommendations of WG7

### Recommendation WG7.1 Request for NP ballots

Having confirmed that at least 5 P-members of SC 21 that are also P-members of JTC 1 intend to participate in the work, and that a project editor exists for the projects, SC 21/WG 7 forwards the following documents for consideration at the SC 21 September 1997 Plenary for approval for NP registration. If approved, SC 21/WG 7 requests the SC 21 Secretary to register the proposals for new work shown below and to forward the documents to the JTC 1 Secretary for NP ballot.

| Document #   | Proposed Project # | Proposed Editor | Proposed Designation | Title   | Notes  |
|--|--------------------|-----------------|----------------------|---|--|
| 7N1302 /<br>21N11101<br>-Attach DIR 1 /<br>21N11093    | 1.21.29.X          |                 | 9594-X/AM X          | Extend Directory service                        | Proposed amendment to all parts of ISO 9594.<br>Likely contributing NBs: Denmark CH Germany France Canada Japan Australia. |
| 7N1304 /<br>21N11102<br><br>Attach DIR 2 /<br>21N11094 | 1.21.29.Y          |                 | 9594-Y/AM.x          | Enhance replication to support multiple masters | Proposed amendment to all parts of ISO 9594.<br>Likely contributing NBs: Denmark CH Germany France Canada Japan Australia. |
| 7N1305 /<br>21N11103<br><br>Attach DIR 3 /<br>21N11095 | 1.21.29.Z          |                 | 9594-Z/AM.x          | Use of TCP/IP stack by the directory protocol   | Proposed amendment to all parts of ISO 9594.<br>Likely contributing NBs: Denmark Germany USA Canada Japan Australia.       |

### *Approved by SC21*

### Recommendation WG7.2 Request for Delegation of Authority for CD/PDAM/PDTR ballots

SC 21/WG 7 forwards the following documents for consideration at the SC 21 September 1997 Plenary for approval for delegation of authority to the interim meeting indicated to register the projects shown below for CD/PDAM/PDTR ballot. If approved, and upon receipt of the text, the SC 21 Secretary is instructed to confirm with the WG Convenor and the SC 21 Chair that it should be registered, and then circulate the document for CD/PDAM/PDTR ballot.

| Project # | Editor        | Designation | Title   | Notes/<br>Conditions                    |
|-----------|---------------|-------------|---|---|
| 1.21.67   | Peter Furniss | 14752       | Protocol support for Computational Interactions | Consensus on proposed generic framework |

**Approved by SC21**

**Recommendation WG7.3 Request for Final CD/Final PDAM ballots**

SC 21/WG 7 requests the SC 21 Secretary to submit the following documents for FCD/FPDAM ballot.

| Dof C & Document # | Project #        | Editor          | Designation | Title   | Notes   |
|--------------------|------------------|-----------------|-------------|---|---|
| 21N11013           | 1.21.68          | Gerd Schuermann | 14753       | Interface Reference & Bindings                        | FCD registration Editor will submit to SC21 Secretariat by end July 1997          |
| 7N1299 / 21N11014  | 1.21.28.01.02.08 | Eric Debeau     | 15427-1     | ODMA-Notification, selection and dispatching function | For registration as final CD ballot. Request to close on 1 <sup>st</sup> Dec 1997 |

**Approved by SC21**

**Recommendation WG7.7 Continued Availability of Standards**

SC 21/WG 7 affirms the need for continued availability of the following standards for reasons of conformance and interoperability, and requests the SC 21 Secretary to forward the list to JTC 1 and ITTF for action, as appropriate.

| Project # | Designation          | Title   | Notes   |
|-----------|----------------------|---|---|
| 1.21.19.X | 9594-All parts: 1995 | Systems Interconnection - The Directory 2 <sup>ND</sup> EDITION | Implementers are still developing products that conform to this edition |

**Approved by SC21**

**Recommendation WG7.8 Withdrawal of Standards**

SC 21/WG 7 approves the project withdrawals shown below for the reasons indicated, and requests the SC 21 Secretary to forward the list to JTC 1 and ITTF for action, as appropriate.

| Project #     | Designation          | Title   | Rationale  |
|---------------|----------------------|---|--|
| 1.21.29.01-08 | 9594-All parts :1990 | Systems Interconnection - The Directory 1 <sup>st</sup> EDITION | Superseded by 2 <sup>nd</sup> and 3 <sup>rd</sup> Editions |

**Approved by SC21**

**Recommendation WG7.9 Cancellation/Suspension of Projects**

SC 21/WG 7 approves the project cancellations and suspensions shown below for the reasons indicated, and requests the SC 21 Secretary to forward the list to JTC 1 and ITTF for action, as appropriate.

| Project # | Designation | Title | Recommendation and Rationale |
|-----------|-------------|-------|------------------------------|
|-----------|-------------|-------|------------------------------|

|                  |              |  |  |
|------------------|--------------|--|--|
| 1.21.28.06.04.01 | 10164-12/Am1 | ICS Proforma                                     | SC 21/WG 7 requests the SC 21 Secretary to issue a final call for volunteers for project editor for this project. If no submissions are received prior to the September 1997 Plenary Meeting of SC 21, WG 7 recommends that these projects be cancelled and requests the SC 21 Secretary to notify ITU-T SG 4 (Q14) liaison organization of their cancellation.. |
| 1.21.28.09.02.02 | 10164-13/Am2 | Enhanced Scanner Objects                         | As above.  |
| 1.21.43.05.01    | 14466        | TR on the use of Specification Techniques in ODP | SC21/WG 7 requests National Bodies to submit Technical contributions that would enable this work to PDTR Status by July 1998. Otherwise this project will be recommended for cancellation  |

***Approved by SC21***

**Recommendation WG7.10 Subdivisions of Projects**

SC 21/WG 7 approves the administrative project subdivisions shown below for the reasons indicated, and requests the SC 21 Secretary to forward the list to JTC 1 and ITTF for action, as appropriate.

| Previous Project # | Proposed Project #s | Editors                          | Proposed Designations | Proposed Titles          | Rationale  |
|--------------------|---------------------|----------------------------------|-----------------------|--------------------------|--|
| 1.21.28.01.02.05   | 1.21.28.01.02.05.01 | Linda Strick Subject approval to |                       | ODMA Viewpoint Notations | Collaborative project ITU-T SG 4. Likely Contributing NBs: US, Germany, France, Australia Finland and UK. See SC21N1142                      |
| 1.21.29.18         | 1.21.29.18.05-14    | Hoyt Kesterson II                | 9594-All parts        | Certificate extensions   | Collaborative project ITU-T SG 7. Likely contributing NBs: Japan, US, UK, Canada, Germany, Australia. See 7N1310 / 21N11104 DIR 4 / 21N11096 |

***Approved by SC21***

**Recommendation WG7.16 Establishment of Liaisons**

Based on the referenced document containing a statement of benefits and contact information, SC 21/WG 7 requests the SC 21 Secretary to seek JTC 1 and/or ITTF approval where necessary and to establish the liaisons indicated in the list below. SC 21/WG 7 further nominates the named individuals as liaison representatives.

| Document #                                 | Organization | Category | Area(s) of Liaison Activity | Representative(s)   |
|--|--------------|----------|-----------------------------|---------------------|
| 21Ndir6t / 21N11098 Attach Dir4 / 21N11096 | ISO TC68 SC2 |          | Certificates - Directory    | Hoyt L Kesterson II |

***Approved by SC21***

**Attachment 3: Extracts from the Recommendations of the ASN.1 Rapporteur Group**

**Recommendation ASN.1. Request for Final PDAM ballots**

The ASN.1 Group, on behalf of the PDAM Editing Meeting, forwards the following documents and requests the SC 21 Secretariat to circulate the text for each of the projects shown below for FPDAM ballot.

| <b>Dof C &amp; Document #</b> | <b>Project #</b> | <b>Editor</b> | <b>Designation</b>                 | <b>Title</b>   | <b>Notes</b>                                   |
|-------------------------------|------------------|---------------|------------------------------------|--|--|
| 21 N 10999<br>London 4        | 1.21.17.3.1.3    | B Scott       | ISO/IEC<br>8824-1:1998<br>/FPDAM 1 | ASN.1 specification. Part 1.<br>Amendment 1. Dynamically<br>constrained types. | Recommendation<br>from PDAM<br>editing meeting |
| 21 N 11001<br>London 5        | 1.21.17.3.4.2    | B Scott       | ISO/IEC<br>8824-3:1995<br>/FPDAM 1 | ASN.1 specification. Part 3.<br>Amendment 1. Dynamically<br>constrained types. | Recommendation<br>from PDAM<br>editing meeting |
| 21 N 11002<br>London 6        | 1.21.17.4.2.2    | B Scott       | ISO/IEC<br>8825-1:1998<br>/FPDAM 1 | ASN.1 encoding. Part 1.<br>Amendment 1. Dynamically<br>constrained types.      | Recommendation<br>from PDAM<br>editing meeting |
| 21 N 11003<br>London 7        | 1.21.17.4.2.1    | B Scott       | ISO/IEC<br>8825-2:1998<br>/FPDAM 1 | ASN.1 encoding. Part 2.<br>Amendment 1. Dynamically<br>constrained types.      | Recommendation<br>from PDAM<br>editing meeting |

***Approved by SC21***

**Recommendation ASN.2. Request for Delegation of Authority for Final PDAM ballots**

The ASN.1 Group recommends that the following document be registered as an FPDAM if this action is agreed by the editing meeting on the current PDAM.

| <b>Project #</b> | <b>Editor</b> | <b>Designation</b>                 | <b>Title</b>  | <b>Notes/<br/>Conditions</b>                                |
|------------------|---------------|------------------------------------|---|---|
| 1.21.17.3.1.2    | B Scott       | ISO/IEC<br>8824-1:1998<br>/FPDAM 2 | ASN.1 Specification. Part 1.<br>Amendment 2. Semantic model | To be based on<br>conclusions of<br>PDAM editing<br>meeting |

***Approved by SC21***

**Recommendation ASN.3. Revision of ASN.1 standards**

3.1 Authorization. The ASN.1 Group requests SC 21 to authorize revisions of the following standards to incorporate approved Amendments and Corrigenda, with the project subdivisions as indicated

| Project #     | Designation    | Title   | Recommendation               |
|---------------|----------------|---|------------------------------|
| 1.21.17.3.1.4 | ISO/IEC 8824-1 | ASN.1 specification. Basic ASN.1                      |                              |
| 1.21.17.3.2.2 | ISO/IEC 8824-2 | ASN.1 specification. Information object specification |                              |
| 1.21.17.4.1.1 | ISO/IEC 8825-1 | ASN.1 encoding rules. BER, CER and DER.               |                              |
| 1.21.17.4.2.3 | ISO/IEC 8825-2 | Packed encoding rules                                 |                              |
|               | * 8824-3       |   | * See proposal in 21 N 11083 |
|               | * 8824-4       |   | * See proposal in 21 N 11083 |

3.2 Deletion of definition of root arcs. The ASN.1 Group notes that text on the incorporation of root arcs has been incorporated in ISO/IEC 9834-1/Amd.1 and requests SC 21 to approve the deletion of equivalent text from the revised edition of ISO/IEC 8824-1 as a revision of relatively minor importance as defined in 14.1.2 of the JTC 1 Directives.

3.3 Issue of Draft Corrigenda. The ASN.1 Group requests the SC 21 Secretariat to circulate the text for each of the projects shown below for DCOR ballot and requests SC 21 to authorize the resolved comments on these Draft Corrigenda ballots to be incorporated in the merged revision texts for the standards.

| Document #              | Project #   | Editor  | Designation                    | Title   | Notes |
|-------------------------|-------------|---------|--------------------------------|---|-------|
| 21 N 11004<br>London 8  | 1.21.17.3.1 | B Scott | ISO/IEC 8824-1:1995/<br>DCOR 2 | ASN.1 Basic Notation. Draft Corrigendum 2             |       |
| 21 N 11005<br>London 9  | 1.21.17.4.1 | B Scott | ISO/IEC 8825-1:1995/<br>DCOR 3 | ASN.1 Encoding. BER, CER and DER. Draft Corrigendum 3 |       |
| 21 N 11006<br>London 10 | 1.21.17.4.2 | B Scott | ISO/IEC 8825-2:1996/<br>DCOR 2 | ASN.1 Encoding. PER. Draft Corrigendum 2              |       |

3.4 Review texts. The ASN.1 Group requests the SC 21 Secretariat to issue the following texts for the revised standards for a two month review period

| Document #              | Project #     | Designation         | Title  | Comments by:    |
|-------------------------|---------------|---------------------|--|-----------------|
| 21 N 11109<br>London 16 | 1.21.17.3.1.4 | ISO/IEC 8824-1:1998 | ASN.1 specification. Basic ASN.1. Review text                      | 20 October 1997 |
| 21 N 11110<br>London 17 | 1.21.17.3.2.2 | ISO/IEC 8824-2:1998 | ASN.1 specification. Information object specification. Review text | 20 October 1997 |



|                         |               |                        |  |                              |
|-------------------------|---------------|------------------------|--|------------------------------|
| 21 N 11113<br>London 18 | 1.21.17.4.1.1 | ISO/IEC<br>8825-1:1998 | ASN.1 encoding rules. BER,<br>CER and DER. Review text | 20 October 1997              |
| 21 N 11114<br>London 19 | 1.21.17.4.2.3 | ISO/IEC<br>8825-2:1998 | ASN.1 Packed encoding<br>rules. Review text            | 20 October 1997              |
| *21 N 11111             |               | *8824-3                |  | * See proposal in 21 N 11083 |
| *21 N 11112             |               | *8824-4                |  | * See proposal in 21 N 11083 |

***Approved by SC21***

**Recommendation ASN.5. Renaming of Projects**

The ASN.1 Group approves the revised project names and/or ISO/IEC designation numbers shown below for the reasons indicated, and requests the SC 21 Secretariat to forward the list to JTC 1 and ITTF for action, as appropriate.

| Project #     | Previous Designation and Title                | Proposed Designation and Title                          | Rationale                  |
|---------------|---|---|----------------------------|
| 1.21.17.3.1.3 | ISO/IEC 8824-1:1995/ 4<br>Run time parameters | ISO/IEC 8824-1:1998/ 1<br>Dynamically constrained types | See 21 N 10998<br>London 3 |
| 1.21.17.3.4.2 | ISO/IEC 8824-4:1995/ 1<br>Run time parameters | ISO/IEC 8824-3:1995/ 1<br>Dynamically constrained types | See 21 N 10998<br>London 3 |
| 1.21.17.4.2.2 | ISO/IEC 8825-1:1995/ 1<br>Run time parameters | ISO/IEC 8825-1:1998/ 1<br>Dynamically constrained types | See 21 N 10998<br>London 3 |
| 1.21.17.4.2.1 | ISO/IEC 8825-2:1996/ 1<br>Run time parameters | ISO/IEC 8825-2:1998/ 1<br>Dynamically constrained types | See 21 N 10998<br>London 3 |
| 1.21.17.3.1.2 | ISO/IEC 8824-1:1995/ 2<br>Formal model        | ISO/IEC 8824-1:1998/ 2<br>Semantic model                | See 21 N 10998<br>London 3 |

***Approved by SC21***