



doc. nr. ISO/IEC JTC 1/SGFS N 451	
date 1992-01-17	total pages
item nr.	supersedes document

Secretariat:	Nederlands Normalisatie-instituut (NNI)
	Kalfjeslaan 2 P.O. box 5059
	2600 GB Delft
	Netherlands
telephone:	+ 31 15 690390
telefax:	+ 31-15 690190
telex:	38144 nni nl
telegrams:	Normalisatie Delft

ISO/IEC JTC 1/SGFS
Title: ISO/IEC JTC 1 Special Group on Functional Standardization
Secretariat: NNI (Netherlands)

Title : Liaison Report from the ISO/TC184 liaison representative, Mr. Luigi Bertuzzi, on aspects of Functional Standardization in SGFS, as presented to the Members of TC184/SCIA and TC184/AG

Source : Mr. Luigi Bertuzzi

Status :

Note :



Tel. 591984

10128 TORINO - C.SO. G. FERRARIS, 93 - TEL. +39 11 50.10.27 - ~~011 501837~~ - FAX +39 11 501837

cc: Mr. J.M. OWEN, Secretary SCIA, BSI
Mr. P. DIAKONOFF, Secretary ISO/TC 184
Mr. L. VISSER, Chairman JTC1/SGFS, NNI
Mr. P. BESSEMS, Secretary SGFS, NNI
Mr. M. ACTIS DATO, TC 184/TAG

Turin, 1991-12-19
184-392 via fax

Report on aspects of Functional Standardization in
SGFS, as presented to the Members of
* SCIA (Steering Committee on Industrial Automation)
* TC 184 Advisory Group (Industrial Automation Systems
and Integration)

Dear Sirs,

please find enclosed the report on aspects of Functional Standardization in SGFS - Fribourg,
18-19-20 November 1991.

Sincerely yours,


G. Maruzzi
secretary general

Enclosure : 1

LUIGI BERTUZZI
c/o UNINFO

Tel: + 39 11 501027 / 591964
Fax: + 39 11 501837

M E E T I N G R E P O R T

To: Mr J M Owen Secretary, SCIA BSI
Mr P Diakonoff Secretary, TC 184 AFNOR
Mr G Jannuzzi Secretary General UNINFO

Cc: Mr L Visser Chair, JTC 1/SGFS c/o NNI
Mr P Bessems Secretary, SGFS NNI
Mr M Actis Dato TC 184 TAG c/o UNINFO

Fm: Luigi Bertuzzi Chair, EWOS EG-CAE c/o UNINFO

Obj: Report on aspects of Functional Standardization in SGFS, as presented to the Members of:

*** SCIA (Steering Committee on Industrial Automation)**

*** Integration)**

FRIBOURG, 18/19/20 NOVEMBER

CONTENTS

- 1) Introduction
- 2) Cooperation with SGFS (SCIA: Agenda Item 11)
- 3) Functional Standards and liaison with SGFS (TC 184 AG: Agenda Item 3)
- 4) Summary: actions and comments (for UNINFO attention)

(All comments/enquiries to UNINFO)

LUIGI BERTUZZI
c/o UNINFO

Tel: + 39 11 501027 / 591964
Fax: + 39 11 501837

1) INTRODUCTION

My trip to the TC 184 AG Meeting as UNINFO contact person for new/future profiling work, coordinated by/with SGFS, was aimed at:

- a) reporting on the SGFS Charter extension, as approved by the October JTC 1 Plenary, with reference to the operational issues already addressed by Regional Workshop initiatives (EWOS EG-CAE; OIW OSETF) and by the Authorized SGFS Subgroup Meeting of Oct. 30/Nov. 1 (these have been covered by EWOS documents ETG 12, alias SGFS N 337, and EWOS/TA/91/231, 239);
- b) acquiring a first hand appreciation for the type of alliances which are needed for an exhaustive approach to a profiling process extended to OSE and AEP (Open System Environments; Application Environment Profiles) and including "mixed" profiles (i.e.: profiles with references to base standards developed by ISO TCs).

Further to the above, I accepted Louis Visser (Chair, SGFS) request to attend the SCIA meeting on his behalf.

2) COOPERATION WITH SGFS (SCIA: Agenda Item 11)

Under Agenda Item 5 (Report on ISO/TC 184 Activities), the SCIA meeting had been informed about the Liaison Statement from ISO/TC 184/SC 5/WG 2 to TC 184 and to TC 184/SC 5 on ISPs and on Taxonomy listing for MMS (ISO/IEC 9506).

I provided some background information on the outcome of the Madrid JTC 1 Plenary Meeting, with regard to the wider role of SGFS, and explained the view of a National Body expert, who needs to be active at the Regional Workshop level and contribute to feeding harmonized input to SGFS, in order to achieve results (ISPs, NPs, etc,...) in JTC 1 which would be usable at ISO/TC level (and at general procurement level).

The standardization work which is required by the objective of systems integration, and of application software portability and/or interoperability, must be based on a common understanding of what "cooperating with SGFS" means in practice; the following picture was a proposed approach to reaching such a common understanding:

(All comments/enquiries to UNINFO)

LUIGI BERTUZZI
c/o UNINFO

Tel: + 39 11 501027 / 591964
Fax: + 39 11 501837

MEETING REPORT

- supports CIM technical architecture envisaged by TC 184 Italian TAG;
- supports provision by SGFS of "process framework" for AEP development, as required by JTC 1 Plenary (Resolution 18a);
- beats entropy (ie: base standards are renewable and reusable);

CONCLUSION: The SCIA being a mixed ISO/IEC territory, the most relevant aspect of a cooperation with SGFS should be focussed on definition and enforcement of procedural issues.

Jack Sheldon, of the IEC Central Office, spoke about recommendations for a radical shortening of lead time for IEC publications (current average: 7 years to produce standards).

If improvements at various levels are introduced (s.g.: updating of CDs during meetings + central office help + formal 4 month DIS vote with enquiry carried out at CD stage + ~~you currently with negative votes~~, negative vote going to acknowledge the way IEC deals with documents? (mixed profiles?); DECEMBER MEETING OF SWG-P IN GENEVA SHOULD ADDRESS THE PROBLEM (NBS reaction time is also a problem). Directives are being revised as IEC/ISO Directives (same booklet).

3) FUNCTIONAL STANDARDS AND LIAISON WITH SGFS (TC 184 AG, Day 2:
Agenda Item 3)

Day 1 of this meeting was a session on Strategic Planning; a few members were also at the SCIA meeting the day before.

The whole of day 1 was dedicated to compiling a list of goals for the SCs in a TC 184 context aimed at INTEGRATION, as per following picture (reproduced here for SGFS members):

(All comments/enquiries to UNINFO)

LUIGI BERTUZZI
c/o UNINFO

Tel: + 39 11 501027 / 591964
Fax: + 39 11 501837

MEETING REPORT

INTEGRATION

AUTOMATION		INFORMATION	
		COMMUNICATION & ARCHITECTURE	
SC 1	SC 2	SC 4	SC 5

SC 1 = Physical Device Control

SC 2 = Robots for Manufacturing Environment

SC 4 = Industrial data and global manufacturing programming language

SC 5 = Architecture and Communications

"Picture 2"

However, a general discussion on standardization revealed a concern for enabling use of "de facto" standards and other standards made available by a (still to be defined) pre-normative approach to projects such as the (Japan proposed) Future Generation Manufacturing Systems (FGMS), which is now under consideration by the CEC (DG XIII) and by NIST.

The discussion offered an opportunity to inform about those issues already identified (Authorized SGFS Subgroup meeting of October 30; see SGFS minutes and/or EWOS/TA/91/239) in relation with OSE/AEP profiling, which seemed relevant also for the above described concern. Unfortunately my comments were perceived as a "computer science" approach to the integration problems in TC 184. The point I tried to make was not discussed any further, due to lack of time.

On day 2, after a report from the June meeting on profiles "not exclusively based on JTC 1 base standards" (i.e.: "mixed" profiles), provided by Dr T. Markus, I pointed to two aspects of the envisaged liaison with SGFS which seemed appropriate:

- a) procedural issues (as per conclusion on SCIA meeting in section 2. of this report);
- b) strategic implications (dependency: final definition of TC 184 internal organization and outcome of Strategic Plan, being prepared for approval at the TC 184 Plenary of 24/25

(All comments/enquiries to UNINFO)

1991-12-09
Page 5 of 06

LUIGI BERTUZZI
c/o UNINFO

Tel: + 39 11 501027 / 591964
Fax: + 39 11 501837

MEETING REPORT

March 1992 in Tokyo);

should TC 184 wish to consider the on-going developments in the area of OSE/AEP profiling, which seem to support the view of a CIM Technical Architecture such as the one described by the Italian Comments in doc ISO/TC 184 N 227 (also AG N 10, Turin, March 20, 1990), then UNINFO would be pleased to offer active cooperation, aimed at supporting the operational aspects of a TC 184 liaison with SGFS.

4) SUMMARY: ACTIONS AND COMMENTS (for UNINFO attention)

- 4.1) Use Jack Sheldon as IEC contact person for definition of procedural aspects and for preparing TC 184 Plenary Agenda Item addressing SGFS Liaison and ISP procedures;
- 4.2) Define full scope of liaison with SGFS in area of profiling for applications (OSE/AEP domain and/or "companion standard" domain?): this seems to require further consideration by TC 184. Two forthcoming items in March Plenary (Creation of WG on Integration, reporting at TC level, and Strategic Plan) may offer an opportunity for clarifying the relation between TC 184 future work and the SGFS centered process for OSE/AEPs (including "mixed" profiles), as currently envisaged by experts working at Regional Workshop level.
- 4.3) Dispatch this report to AFNOR (Diakonoff) and BSI (Owen) with copy to NNI (Bessems; Visser).
- 4.4) Copy of this report will be sent to EWOS EG-CAE Members, for information (Editor's action).

(All comments/enquiries to UNINFO)