ECMA Technical Report TR/83
June 2001

ECMA

Standardizing Information and Communication Systems

One Standard - One Test, Supplier's Declaration of Conformity (1SDoC) Scorecard objectives and concept

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Brief History

This ECMA Technical Report is intended to compare at high level different countries / regions of the world from the point of view of acceptance of international standards.

This ECMA TR intends to:

- create visibility for different regulations implementations;
- encourage countries on the verge of implementing something to follow the “good” examples;
- help countries in their effort to remove barriers to business.

This ECMA TR will be updated regularly. Between updates, the last minute situation will be available on the ECMA web site (www.ecma.ch).

This ECMA Technical Report has been adopted by the ECMA General Assembly of June 2001.

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1 Scope

The industry objective of 11SDoC is to achieve the global acceptance of a Declaration of Conformity from suppliers and manufacturers, independent where the test data (1 Test) for a product was generated. This is only possible, if technical and quality requirements find worldwide agreement, for example based on International Standards (1 Standard).

The ideal situation from an industry viewpoint: a product is qualified against international accepted standards, the party testing the product adheres to international agreed quality standards, the supplier affixes his trade mark. There is no need for pre-market certification.

2 Benefits

The One Standard-One Test, Supplier's Declaration of Conformity Model provides benefits to governments, industry and consumers and maintains safety and protection.

The One Standard-One Test, Supplier's Declaration of Conformity Model may not be appropriate in all cases. However, the model is particularly appropriate for EMC, telecom and product safety regulations for ITE and telecommunication products.

2.1 Benefits to governments

Many governments today rely on a "pre-market surveillance" system that requires products to be tested and certified either within their own borders or by a recognised third party. This system is labour intensive, punishes good companies, and fails to expose bad companies who can "game" the system.

A post-market surveillance system allows governments to make more efficient use of scarce government resources by developing a system that assures protection for health and safety.

Ultimately, governments would avoid the costly and time-consuming process of negotiating and maintaining numerous bilateral testing and certification agreements with a global agreement to accept one standard-one test, supplier's declaration of conformity.

2.2 Benefits to industry

Anywhere from two weeks to several months will be cut from the time a product is ready for sale and the time it is approved for sale in a given country - a major savings in time-to-market given the six to twelve month product cycles typical in the IT industry.

Manufacturer's compliance costs will be reduced. Estimates suggest that removing the duplicative IT standards; testing and conformity assessment requirements could provide sizeable welfare gains of up to $47 billion for the world.

2.3 Benefits to consumers

Through a well-managed system that relies on Supplier's Declaration of Conformity and post-market surveillance, consumers can be assured that they are purchasing safe, non-interfering products that have been tested and will perform to the international safety and EMC standards.

The products they buy will not have to reflect the cost of multiple testing and certification. More manufacturers, especially the small manufacturers, will be able to import products, providing consumers with more choices and latest technologies.

3 Acronyms and abbreviations

11SDoC	One standard, one test, Supplier's Declaration of Conformity	JATE	Japanese Association for Telecommunication Equipment
CISPR	International Special Committee on Radio Interference	METI	Ministry of Economy, Trade and Industry
DoC	Declaration of Conformity	MRA	Mutual Recognition Agreement
EMC	Electromagnetic Compatibility	NRTL	National Recognised Test Lab
EN	European Standard	RTA	Recognised Testing Authorities
FCC	Federal Communications Commission	Std	Standard
IC	Industry Canada	TCB	Telecommunication Certification Body
IEC	International Electrotechnical Commission	VCCI	Voluntary Control Council for Interference

4 Current scorecard

The matrix of the scorecard shows the actual situation of the acceptance of 11SDoC in the different countries. For all major areas of regulations basic information about the status of acceptance of harmonized standards, testing-, labeling-, DoC or product certification requirements are shown.

To visualise the actual country specific situation a traffic light code is used as follows:

- **Green** OK;
- **Yellow** to be improved;
- **Red** unacceptable.

Scorecard explanation Matrix

Item	Questions to each item:	green	yellow	red
Std.	Is country standard identical to international (IEC/CISPR) Standard, e.g. CISPR 22?	Yes	Minor deviations (dev)	No / Amendment needed
Test	Does country accept a test-report from a laboratory located outside country or from a manufacturer?	Yes	Only if MRA exists	No / Must test in country
Label	What is the label? Are labels uniform for all areas? Who controls/grants label on product?	One generic label / Manufacturer	One or more labels / may need registration	One or more labels / Need permission
DoC	Is a DoC in manufacturer file accepted?	Yes	No / Must be with product and/ or registered	No / certification required
Cert.	Is product certification mandatory?	No	Not applicable	Yes

11SDoC Score Card

		Canada	U S A	Japan (4)	E U	Australia
EMC	Std.	YES	YES (CISPR 22+)	YES (VCCI)	YES (EN)	YES
	Test	YES	YES-A / NO-B	YES	YES	YES
	Label	IC (2)	FCC	VCCI	CE	C-Tick+Supp.Code
	DoC	w. Product	w. Product	YES	YES	Local File
	Cert.	NO	NO	NO	NO	NO
Safety	Std.	YES (1)	YES (1)	YES+Dev / YES+Dev(2)	YES	YES + Dev
	Test	NO (Accred.)	NO (NRTL)	YES / NO (2)	YES	YES
	Label	Cert Org.	NRTL	NO / PSE (2)	CE	Permit # (2)
	DoC	NO	NO	YES / NO (2)	Mfg. File	Local File
	Cert.	YES (Accred.)	YES (NRTL)	NO / YES (2)	NO	NO / YES(2)
Telecom	Std.	NO (1)	NO (1)	NO	YES	NO
	Test	NO (Accred.)	NO (TCB/FCC lab)	YES	YES	NO (Accred./RTA)
	Label	IC	FCC	JATE	CE	A-Tick+Supp.Code
	DoC	NO	NO	NO	w. Product (3)	Local File
	Cert.	YES (IC)	YES (FCC/TCB)	YES (JATE)	NO	NO

Notes: (1) - Standard harmonized between Canada & USA, but large dev. to IEC
(2) - External Power Supplies
(3) - will be changed during revision process (late 2001) to Mfg. File
(4) - Data for Japan do not include Category B Electrical Appliances and materials

Unacceptable, change
To be improved
ok

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