

	GLOBAL STANDARD	Page 1 of 21
	TECHNICAL CONFORMITY ASSESSMENT	GSCG002 Rev. 02 23/01/2018

This document is intellectual property of Enel Spa; reproduction or distribution of its contents in any way or by any means whatsoever is subject to the prior approval of the above mentioned companies which will safeguard its rights under the civil and penal codes.
This document is for Internal Use.

TECHNICAL CONFORMITY ASSESSMENT

	Elaborated by	Verified by	Approved by
Global I&N – O&M/NCS	N. Cammalleri I. Gentilini	R. Emma C. Llovich Badia F. Mauri	F. Giammanco

Revision	Data	List of modifications
0	06/11/2015	First emission
1	30/06/2016	Editorial review
2	23/01/2018	Introduction of first-party TCA. Introduction of supplier's declaration of conformity and reference to ISO/IEC 17050-1 and ISO/IEC 17050-2. Introduction of the legal declaration. Introduced definition of certification and Conformity assessment body. Modified definition of Technical Department. Update characteristics of the TCA final attestation. Clarifications about penalties notification and contestation. Introduced concepts of kick-off meeting and TCA planning. Eliminated TCA system dependence respect to the type of surveillance. Introduction of the possible TCA management by an on-line system. Eliminated the sentence about the routine tests not covered by type tests in case of S TCA system. Possibility to have different TCA systems for different components in the same contract. TD informed for test applicability in case of T TCA scheme. New software upgrade section. New reference to the document "Quality Specification for Electronic Assemblies".

	GLOBAL STANDARD	Page 2 of 21
	TECHNICAL CONFORMITY ASSESSMENT	GSCG002 Rev. 02 23/01/2018

INDEX

1	SCOPE	4
2	REFERENCE STANDARDS	4
3	DEFINITIONS	4
3.1	Product	4
3.2	Technical Conformity Assessment (hereinafter “TCA”).....	5
3.3	Conformity assessment body	5
3.4	Technical Department (hereinafter “TD”)	5
3.5	First-party TCA	5
3.6	Second-party TCA.....	5
3.7	Third-party TCA	5
3.8	TCA systems	5
3.9	Type A documentation.....	6
3.10	Type B documentation	6
3.11	TCA report.....	6
3.12	TCA dossier	6
3.13	Supplier’s Declaration of Conformity (hereinafter “DC”).....	6
3.14	Statement of Conformity (hereinafter “SC”).....	6
3.15	Certification Acknowledgment (hereinafter “CA”)	6
3.16	Certification	6
3.17	Legal declaration	6
4	GENERAL TOPICS	6
4.1	Costs and penalties	6
4.2	TCA request.....	7
4.3	Third-party conformity assessment body (hereinafter “third-body”) accreditations	7
4.3.1	Selection and determination.....	7
4.3.2	Review and attestation	7
4.4	Product documentation	7
4.4.1	Type A documentation	7
4.4.2	Type B documentation	8
4.5	Tests.....	8
4.5.1	General requirements.....	8
4.5.2	Sample identification	8
4.5.3	Test applicability	9

	GLOBAL STANDARD	Page 3 of 21
	TECHNICAL CONFORMITY ASSESSMENT	GSCG002 Rev. 02 23/01/2018

4.6	TCA report.....	9
4.7	TCA dossier	10
4.8	TCA final attestation	10
4.9	TCA management and planning	10
5	TCA SYSTEMS.....	11
6	TCA FUNCTIONS DESCRIPTION.....	11
6.1	Selection (see A.2 of ISO/IEC 17000)	11
6.1.1	Type A documents preliminary approval	11
6.1.2	Tests applicability approval.....	11
6.1.3	Tests planning approval	11
6.1.4	Prototype(s) selection.....	11
6.2	Determination (see A.3 of ISO/IEC 17000).....	12
6.2.1	Prototype visual inspection.....	12
6.2.2	Type A and type B documents endorsement.....	12
6.2.3	Tests execution and witness	12
6.3	Review (see A.4 of ISO/IEC 17000)	12
6.4	Attestation (see A.4 of ISO/IEC 17000)	13
7	DETAILED CONFORMITY ASSESSMENT PROCEDURES.....	13
7.1	Sequence of activities and responsibilities	13
7.2	Communication between Supplier and TD	14
7.3	Notification	14
8	PRODUCTS MODIFICATIONS.....	14
8.1	Management of the SW modifications	14
8.1.1	SW Modification with an impact in the HW (Hardware)	14
8.1.2	SW update.....	14
9	SUSPENSIONS OR WITHDRAWAL OF THE CONFORMITY ATTESTATION.....	14
	ANNEX A.....	16
	ANNEX B.....	17
	ANNEX C	19
	ANNEX D.....	20
	ANNEX E	21

	GLOBAL STANDARD	Page 4 of 21
	TECHNICAL CONFORMITY ASSESSMENT	GSCG002 Rev. 02 23/01/2018

1 SCOPE

Scope of this document is to describe the procedures for technical conformity assessments of components and equipments to be supplied (directly or indirectly) to all Enel Global Infrastructure and Networks Countries:

Country	Distribution Company
Argentina	Edesur
Brazil	Enel Distribuição Rio Enel Distribuição Ceará Celg Distribuição
Chile	Enel Distribución Chile
Colombia	Codensa
Iberia	Endesa Distribucion Electrica
Italy	e-distribuzione
Peru	Enel Distribución Perú
Romania	Enel Distributie Banat Enel Distributie Dobrogea Enel Distributie Muntenia

Table 1 - Enel Global Infrastructure and Networks countries

2 REFERENCE STANDARDS

Reference documents listed below (amendments included) shall be the edition in-force at the contract date.

ISO/IEC 17000	Conformity assessment – Vocabulary and general principles
ISO/IEC 17020	General criteria for the operation of various types of bodies performing inspection
ISO/IEC 17025	General requirements for the competence of testing and calibration laboratories
ISO/IEC 17050-1	Conformity assessment - Supplier's declaration of conformity - Part 1: General requirements (ISO/IEC 17050-1:2004, corrected version 2007-06-15)
ISO/IEC 17050-2	Conformity assessment - Supplier's declaration of conformity - Part 2: Supporting documentation (ISO/IEC 17050-2:2004)
ISO/IEC 17065	Conformity assessment – Requirements for bodies certifying products, processes and services

3 DEFINITIONS

3.1 Product

Component manufactured by a Supplier in accordance with a technical specification issued by the Enel Global Infrastructure and Networks Countries and identified by:

	GLOBAL STANDARD	Page 5 of 21
	TECHNICAL CONFORMITY ASSESSMENT	GSCG002 Rev. 02 23/01/2018

- Enel Global Infrastructure and Networks Country type code (e.g. GSX00Y/ZZ) and/or local codification (e.g. 123456)
- Supplier's type designation
- product documentation (see 4.4)
- manufacturing factory
- manufacturing process

3.2 Technical Conformity Assessment (hereinafter “TCA”)

A “conformity assessment”¹ respect to “specified requirements”² consisting in functional, dimensional, constructional and test characteristics required for a product (or a series of products) and quoted in technical specifications and quality requirements issued by the Enel Group distribution companies. This also includes the verification of conformity respect to local applicable regulation and laws and the possession of relevant requested certifications.

3.3 Conformity assessment body

Body that performs the conformity assessment (see definition 2.5 of ISO/IEC 17000).

3.4 Technical Department (hereinafter “TD”)

Technical organization unit of Enel Global Infrastructure and Networks in charge of the TCA.

3.5 First-party TCA

The “first-party conformity assessment” definition 2.2 of ISO/IEC 17000 is applicable, In this case the conformity assessment body is the supplier.

3.6 Second-party TCA

The “second-party conformity assessment”³ definition 2.3 of ISO/IEC 17000 is applicable, specifying that the second-party organization is the TD or an external organization working on its behalf, accredited according to IAF (International Accreditation Forum) to operate in compliance with ISO/IEC 17020 or ISO/IEC 17065.

3.7 Third-party TCA

The “third-party conformity assessment”⁴ definition 2.4 of ISO/IEC 17000 is applicable, specifying that the third-party organization is an accredited organization compliant with requirements of 4.3.

3.8 TCA systems

The “conformity assessment systems” definition 2.8 of ISO/IEC 17000 is applicable, specifying that the rules and procedures to carry on the TCA are those specified in the present document.

¹ Definition 2.1 of ISO/IEC 17000

² Definition 3.1 of ISO/IEC 17000

³ Previously called “homologation” in e-distribuzione

⁴ Previously called “certification” in e-distribuzione

	GLOBAL STANDARD	Page 6 of 21
	TECHNICAL CONFORMITY ASSESSMENT	GSCG002 Rev. 02 23/01/2018

3.9 Type A documentation

Not confidential documents used for product manufacturing and management from which it is possible to verify the product conformity to all technical specification requirements, directly or indirectly.

3.10 Type B documentation

Confidential documents used for product manufacturing and management where all product project details are described, in order to uniquely identify the product object of the TCA.

3.11 TCA report

Document describing the activities carried out for TCA.

3.12 TCA dossier

Set of final documents delivered by the Supplier for the TCA.

3.13 Supplier's Declaration of Conformity (hereinafter "**DC**")

Product conformity attestation (see 5.4 of ISO/IEC 17000) consisting in an official document issued by a legal representative of the supplier. Requirements for purpose, content, form etc. of the DC are quoted in ISO/IEC 17050-1 and ISO/IEC 17050-2.

3.14 Statement of Conformity (hereinafter "**SC**")

Product conformity attestation (see 5.2 of ISO/IEC 17000) consisting in an official document issued by the TD, following a second-party TCA.

3.15 Certification Acknowledgment (hereinafter "**CA**")

Official document issued by the TD attesting the acknowledgment⁵ of a certification⁶, following a third-party TCA.

3.16 Certification

Product conformity attestation (see 5.5 of ISO/IEC 17000) consisting in an official document issued by an accredited third-body, following a third-party TCA and stating the positive technical conformity assessment in respect to the relevant technical specification and to the present procedure.

3.17 Legal declaration

Official document issued by a legal representative of the supplier declaring the product conformity to all relevant laws and standard in force in the country of installation of the product.

4 GENERAL TOPICS

4.1 Costs and penalties

All the costs related to the TCA are at the expense of the Supplier. Flat-rate fees can be applied for each TCA process to cover TD costs, depending on the applicable TCA system (see 5).

⁵ 7.5 of ISO/IEC 17000

⁶ 5.5 of ISO/IEC 17000

	GLOBAL STANDARD	Page 7 of 21
	TECHNICAL CONFORMITY ASSESSMENT	GSCG002 Rev. 02 23/01/2018

In the following cases, penalties may be applied (only in case of TCA system S or T):

- negative results of inspections;
- unavailability of Supplier's facilities (e.g. unavailable test room, or test sample);
- notification times lower than the minimum indicated in 7.3

When such events occur, a report is filled according to the template in ANNEX A. In case of TCA managed by an online system, the report is replaced by an automatic communication of the system. Above mentioned penalties and TCA delays shall be contested within 15 days from the TD notification, otherwise they will be considered accepted by the supplier.

The amounts of flat-rate fees for TCA and penalties are included in the contractual documentation.

4.2 TCA request

The Supplier shall send a request to the TD to start the TCA, according to the template in ANNEX B.

4.3 Third-party conformity assessment body (hereinafter “*third-body*”) accreditations

4.3.1 Selection and determination

In case of TCA system requests that selection and determination functions are carried out by third-party, the Supplier shall select and submit to TD approval a third-body accredited according to IAF (International Accreditation Forum) to operate in compliance with ISO/IEC 17020 or ISO/IEC 17065 for the specific product family object of the TCA.

An accreditation for a specific material belonging to the product family object of the TCA is acceptable as well.

4.3.2 Review and attestation

In case of TCA system requests that review function is carried out by third-party, the Supplier shall select and submit to TD approval a third-body accredited according to IAF (International Accreditation Forum) to operate in compliance with ISO/IEC 17065 for the specific product family object of the TCA⁵.

An accreditation for a specific material belonging to the product family object of the TCA is acceptable as well.

Attestation function is always carried out by second-party.

4.4 Product documentation

4.4.1 Type A documentation

Copy of the approved and endorsed type A documentation is delivered to the TD and the Supplier authorizes its reproduction and diffusion internally to the Enel Group distribution companies.

As general criteria, unless otherwise indicated in the technical specifications, type A documentation at least consists in:

- type A and type B (see 4.4.2) documents list
- operation, maintenance and installation manuals
- Software manuals
- overall dimensional drawings and main details
- nameplate(s) drawing
- list of the Suppliers of main sub-components
- product colored pictures

	GLOBAL STANDARD	Page 8 of 21
	TECHNICAL CONFORMITY ASSESSMENT	GSCG002 Rev. 02 23/01/2018

- information requested by the document “*Quality Specification for Electronic Assemblies*” (in case of the product includes electronic components)⁷
- whatever needed to give evidence of compliance to all technical specification requirements.

All documents shall be compliant with ISO 9001 criteria, therefore they shall be uniquely identified by name, revision and issue date, with a clear Supplier identification (e.g. by mean of Supplier's letterhead).

End-user documentation (e.g. operation, maintenance and installation manual, electric schemes, overall dimensional drawings, nameplate etc.) shall be in local language of product destination country; if TD local language is different, they shall be translated in its language or in English. Other documents shall be in TD local language or in English.

4.4.2 Type B documentation

Type B documentation, which may be endorsed by TD, shall be preserved by the Supplier.

Type B documentation is not delivered to TD but it shall be shown to the TD, whenever requested.

All documents shall be compliant with ISO 9001 criteria, therefore they shall be uniquely identified by name, revision and issue date, with a clear Supplier identification (e.g. by mean of Supplier's letterhead).

Type B documentation shall be in TD local language or in English.

4.5 Tests

4.5.1 General requirements

As general rule, unless otherwise indicated in the technical specifications, the required tests (routine, type and special tests) shall be carried out on a sample of each product subject to the TCA.

The tests shall be carried out in a laboratory compliant with one of the following criteria:

- a laboratory accredited according to ILAC (International Laboratory Accreditation Cooperation) to operate in compliance with ISO/IEC 17025 for each specific test to be carried out; the laboratory will issue a test report;
- a non-accredited laboratory (including the Supplier's laboratory) under the supervision of a third-body accredited for selection and determination (see 4.3.1); the third-body will issue an inspection report attesting the laboratory suitability and the test result, attaching the test report issued by the laboratory;

In all cases the laboratory shall carry out a sample identification according to 4.5.2.

4.5.2 Sample identification

Test reports shall contain a proper test sample identification by consisting at least in:

- Supplier's type designation
- ratings and main technical characteristics
- overall dimension drawing
- electrical schemes (when relevant)
- pictures
- whatever required by technical specifications and/or applicable standards
- any relevant information useful to identify the test sample.

⁷ some information requested by this document belong to type B documentation, therefore shall be included in type A documentation instead of type A documentation

4.5.3 Test applicability

Notwithstanding with criteria in 4.5.1 and if not already stated by the relevant technical specification or standard, TD, in case of S TCA system, or the Third-body, in case of T TCA system, could accept at his own discretion the applicability of another type or special test; in case of F TCA system this acceptance is under the supplier responsibility. The Supplier shall provide (including for F TCA system) a technical report (hereinafter “*Applicability Report*”) for each test, including the details indicated in the table below. The Applicability Report shall always include in annex all the relevant test reports (see tests table template in ANNEX C), technical documents, drawings and anything necessary for the assessment.

The following cases are identified⁸:

	Sample under test	Test status	Reference technical specifications and/or standards	Content of the Applicability Report
Case 1	specific product object of TCA	To be performed	In force	Not required
Case 2	specific product object of TCA	Already performed	In force	Not required
Case 3	similar product object of TCA	To be performed	In force	Detailed description of similarities of the products with regard to the test
Case 4	similar product not object of TCA	Already performed	In force	Detailed description of similarities of the products with regard to the test
Case 5	specific product object of TCA	Already performed	Expired/different	Detailed description of similarities of the reference technical specifications and/or standards regard to the test
Case 6	similar product not object of TCA	Already performed	Expired/different	Detailed description of similarities of the products and the reference technical specifications and/or standards with regard to the test

Table 2 – Tests applicability cases

Test reports validity is limited to 15 years, so they cannot be used for new TCA or TCA updates (see chapter 8) after 15 years since the test report issuing date.

The applicability of test reports accepted by one of Enel Group's distribution company may be accepted also by the other distribution companies.

4.6 TCA report

The TCA report shall contain at least:

⁸ According to 4.5.1, tests are generally carried out on the specific product object of TCA (Case 1) of the table

	GLOBAL STANDARD	Page 10 of 21
	TECHNICAL CONFORMITY ASSESSMENT	GSCG002 Rev. 02 23/01/2018

- the list of all technical specifications and standards used as reference for the TCA, specifying their name, revision and issue date;
- the identification of the product object of the TCA, by mean of the elements listed in 3.1;
- the tests table (see the template in ANNEX C), enclosing test reports and applicability reports;
- the reference values and acceptability ranges to be used for routine tests (if any);
- a detailed description of any possible exception approved by TD with respect to technical requirements;
- any possible certifications/declarations requested by local regulation and law.

In case that more products are object of the same TCA, it's possible to provide a single TCA report. TCA report shall be identified with revision and issue date.

4.7 TCA dossier

For each product object of the TCA the Supplier shall provide on digital support a dossier consisting in:

- TCA report
- copy of the endorsed (stamped and signed) type A documentation
- third-body certification (in case of functions carried out by third-party)
- supplier's declaration of conformity, signed by a legal representative of the Supplier (see ANNEX D);
- legal declaration, signed by a legal representative of the Supplier (see ANNEX E).

In case that more products are object of the same TCA, it's possible to provide a single TCA dossier.

The supplier shall preserve the TCA dossier and all the relevant documents for at least 10 years from the TCA final attestation.

4.8 TCA final attestation

At the end of the TCA the TD will send a communication consisting in:

- a confirmation of the TCA dossier reception, in case of F TCA system;
- the "Statement of Conformity (SC)", in case of S TCA system;
- the "Certification Acknowledgment (CA)", in case of T TCA system.

This communication will indicate:

- the identification of the Supplier;
- reference to this document (GSG002);
- the list of all technical specifications used as reference for the TCA, specifying their name, revision and issue date;
- the identification of the product, by mean of the elements listed in 3.1;
- reference to the TCA report and/or to the third-party certification;
- referents for the TD

In case that more products are object of the same TCA, it's possible to provide a single TCA final attestation.

4.9 TCA management and planning

In order to start and plan the TCA activities and share all possible supplier's doubts (technical and/or procedural), the TD could ask to have a kick-off meeting in its premises, in the supplier premises or remotely.

Independently to the applicable TCA system, the supplier shall keep the TD continuously updated about

	GLOBAL STANDARD	Page 11 of 21
	TECHNICAL CONFORMITY ASSESSMENT	GSCG002 Rev. 02 23/01/2018

the TCA status and the activities planning, in order to give a reliable forecast of the TCA conclusion. To do that, the supplier shall periodically sent to the TD a detailed TCA planning, by means of tools that the TD will specify (excel file, GANTT, online system etc.).

5 TCA SYSTEMS

According to the functional approach stated in Annex 1 of ISO/IEC 17000, the following TCA systems are defined, depending on the performer of the various functions (first-party, second-party or third-party).

The contract states which system shall be followed for each component (different TCA systems could be requested for different components in the same contract).

TCA system type	Selection	Determination	Review	Attestation
F	first-party	first-party	first-party	second-party
S	second-party	second-party	second-party	second-party
T	third-party	third-party	third-party	second-party

Table 3 – TCA systems

6 TCA FUNCTIONS DESCRIPTION

6.1 Selection (see A.2 of ISO/IEC 17000)

6.1.1 Type A documents preliminary approval

The Supplier shall provide Type A documents to the conformity assessment body for a preliminary analysis and approval in order to verify (on the paper) their compliance with the requirement of the technical specification.

Independently from the applicable TCA system, possible request of exception with respect to the technical specification shall be clearly requested to the TD in this phase and highlighted through the Type A documents. The approval of the exception request is at total discretion of the TD (if selection function is performed by third-party, the third-body shall make sure of TD official approval of exceptions).

6.1.2 Tests applicability approval

The Supplier shall provide for approval to the conformity assessment body the tests table (see the template in ANNEX C) with the relevant test reports and applicability reports.

6.1.3 Tests planning approval

The Supplier shall provide for approval to the conformity assessment body (see par. 7.3 for minimum notification time, applicable in case of S and T TCA systems) a detailed plan of tests, specifying for each test the following information:

- Date (start and finish)
- Place
- Accreditation information (of the laboratory or of the third-body, in case of non-accredited laboratory)

6.1.4 Prototype(s) selection

According to par. 4.1 of ISO/IEC 17000 one (or more) sample(s), compliant with approved preliminary Type A documents, shall be manufactured and selected by the Supplier. If not differently required by technical specifications, the Supplier can decide the number of identical specimens to be used for the TCA. All samples shall be at the expense of Supplier.

	GLOBAL STANDARD	Page 12 of 21
	TECHNICAL CONFORMITY ASSESSMENT	GSCG002 Rev. 02 23/01/2018

6.2 Determination (see A.3 of ISO/IEC 17000)

6.2.1 Prototype visual inspection

According to par. 4.3 of ISO/IEC 17000 an inspection of a prototype selected by the Supplier (see 6.1.4) is necessary to verify dimensional, constructive and functional compliance with:

- technical specifications;
- preliminary approved Type A documents;
- as far as possible, definitive Type A and B documents, made available in paper copy by the Supplier during the inspection.

In case of negative result of the inspection the Supplier shall perform the requested modifications on all selected samples and, if necessary, the prototype visual inspection shall be repeated.

In case of third-party determination, the TD will anyway perform an additional prototype visual inspection. The TD has also the right to renounce to its additional inspection.

6.2.2 Type A and type B documents endorsement

In case of S and T TCA systems, after the positive result of the prototype visual inspection, the definitive versions of Type A documents and, if considered necessary, Type B documents will be endorsed in order to freeze the product object of the TCA.

In case of S TCA system, the endorsement of type A documents could be performed electronically; if an on-line system is used to manage the TCA, the endorsement can be avoided.

6.2.3 Tests execution and witness

After the positive result of the prototype visual inspection, the Supplier can proceed with the tests execution according to the approvals described in 6.1.2 and 6.1.3. Test shall be performed on sample(s) selected in 6.1.4 considering rules of 4.5.

The TD has the right to witness all planned tests, therefore TD shall be informed about test planning and all its modifications, with the minimum notice stated in 7.3 (only for TCA systems S and T).

If the device involved in the TCA process includes a SW (Software) component, after the Type A documents preliminary approval, the Supplier can proceed with the execution of the tests on the SW according to the approvals described in 6.1.2 and 6.1.3. The TD has the right to witness all planned tests.

Therefore, TD shall be informed about test planning and all its modifications, with the minimum notice stated in 7.3. (only for TCA systems S and T).

6.3 Review (see A.4 of ISO/IEC 17000)

According to par. 5.1 of ISO/IEC 17000, after the positive result of the determination function, the following documentation shall be reviewed, in order to verify the fulfillment of technical specification and of the present procedure:

- TCA report (see 4.6) and
- the endorsed type A documents

In particular, the correspondence between the inspected prototype and the tested samples shall be verified by checking the endorsed type A documents and the test samples identification (see 4.5.2).

In case of third-party review, the third-body shall issue a certification to guarantee the positive technical conformity assessment in respect to the relevant technical specification and to the present procedure.

If the device involved in the TCA process includes a SW (Software) component, the function responsible for the review has the right to repeat the execution of a sample of the planned tests in presence of the Supplier.

6.4 Attestation (see A.4 of ISO/IEC 17000)

After positive result of review function, the Supplier shall provide to the TD the complete TCA dossier (see 4.7).

According to par. 5.2 of ISO/IEC 17000, if the dossier will be compliant with requirements of this procedure the TD will provide the TCA final attestation (see 4.8).

7 DETAILED CONFORMITY ASSESSMENT PROCEDURES

7.1 Sequence of activities and responsibilities

The following table, for each phase of the TCA, reports the normal sequence of activities with the relevant assignment of responsibilities.

Every deviation with respect to this sequence shall be approved by the TD (only for TCA systems S and T). Nevertheless, any possible consequence (e.g. repetition of tests, delays) from such deviation is at own risk of the Supplier.

			TCA system type F		TCA system type S		TCA system type T		
Phase	Description	Reference paragraph	Supplier	TD	Supplier	TD	Supplier	TD	Third body
1	TCA request	4.2	R	A	R	A	R	A	-
2	Type A preliminary documents	6.1.1	R+A	- /A*	R	A	R	I/A*	A
3	Test applicability	6.1.2	R+A	-	R	A	R	I	A
4	Test planning	6.1.3	R+A	-	R	A	R	I	A
5	Prototype(s) selection	6.1.4	R+A	-	R	A	R	I	A
6	Prototype visual inspection	6.2.1	R+A	-	R	A	R	A**	I/A
7	Type A and Type B definitive documents	6.2.2	R+A	-	R	A	R	I	A
8	Tests	6.2.3	R	-	R	I	R	I	I
9	Review	6.3	R+A	-	R	A	R	I	A
10	TCA dossier	4.7	R+A		R	A	R	A	-
11	TCA Final attestation	4.8	I	R+A	I	R+A	I	R+A	-

R: responsible for doing the activity

A: accountable for the approval of the activity

C: consulted for support and contribution to the activity

I: informed about the activity

Note *: approval only in case of exception request

Note **: The TD has the right to renounce to its inspection

Table 4 - Sequence of activities and responsibilities

	GLOBAL STANDARD	Page 14 of 21
	TECHNICAL CONFORMITY ASSESSMENT	GSCG002 Rev. 02 23/01/2018

In case of first-party and third-party systems, Enel reserves the right to verify all the documentation.

7.2 Communication between Supplier and TD

All the communications will be by e-mail or, if available, using an online system.

7.3 Notification

In case of TCA system S or T, all the activities which may require trips of TD (e.g. tests) shall be communicated with sufficient advance, in particular:

- 14 working days for domestic and regional trips
- 21 working days for intercontinental trips

8 PRODUCTS MODIFICATIONS

All supplied samples shall be completely compliant with the product object of the TCA, considering the product identification criteria stated in 3.1.

If some modification are introduced by the Supplier e.g change of subpart Supplier, new materials, new dimensions, a new TCA shall be requested. In such cases the TCA procedure is the same described in 7. In the TCA report all the modification introduced shall be detailed.

8.1 Management of the SW modifications

If the product involved in the TCA process includes a SW (Software) component, the certification of that component must be managed according to the following criteria:

8.1.1 SW Modification with an impact in the HW (Hardware)

If the SW update requires a change in HW a new TCA shall be requested. In such cases, the TCA procedure is the same described in 7. In the TCA report, all the modification introduced shall be detailed.

8.1.2 SW update

In case of SW update, having no impact in the HW of the product, the review and attestation functions will regard only the SW.

Therefore, the TD can agree on not updating the TCA final attestation of the product. In this case, in order to attest the conformity of the SW, a report containing the new version of the SW will be prepared and shared with the Supplier by letter or ordinary e-mail.

This report shall be attached to the last valid TCA final attestation of the product.

In any case, the Supplier shall make available the last version of the SW.

9 SUSPENSIONS OR WITHDRAWAL OF THE CONFORMITY ATTESTATION

According to 6.2. and 6.3 of ISO/IEC 17000, for each of the following conditions, the TCA conformity attestation may be suspended or withdrawn:

- Negative results of tests performed on the supplied products or during the production;
- Faults or defects on installed products
- False or incorrect declarations or certifications

In both cases of suspension or withdrawal of the conformity attestation, the TD will send a communication to the Supplier including the identification references of the TCA final attestation and specifying the reason for the suspension/withdrawal. For false/incorrect declarations, Enel also reserves the right to take the due contractual and/or legal actions.

When the conditions which led to suspension/withdrawal are resolved:

	GLOBAL STANDARD	Page 15 of 21
	TECHNICAL CONFORMITY ASSESSMENT	GSCG002 Rev. 02 23/01/2018

- In case of suspension, TCA conformity attestation is reactivated by another TD communication,
- In case of withdrawal, the Supplier sends a new TCA request.

In case of suspension/withdrawal of the TCA attestation of a product issued by one of Enel Group's distribution company, suspension/withdrawal may be applied also by the other distribution companies.

	GLOBAL STANDARD	Page 16 of 21
	TECHNICAL CONFORMITY ASSESSMENT	GSCG002 Rev. 02 23/01/2018

ANNEX A
REPORT FOR PENALTIES

Date	
Place	
Enel Group Distribution Company	
Name of the referent person for the activity	
Supplier	
Manufacturing factory	
Name of the referent person for the activity	
Contract number	
Code of material(s)	

Select one of the following conditions:

- ☐ negative results of inspections;
- ☐ unavailability of Supplier's facilities (e.g. unavailable test room, or test sample);
- ☐ notification times lower than the minimum indicated in 7.3 of GSCG002

Description

--

For (*Enel Group Distribution company*)
Signature

The Supplier
Signature

	GLOBAL STANDARD	Page 17 of 21
	TECHNICAL CONFORMITY ASSESSMENT	GSCG002 Rev. 02 23/01/2018

ANNEX B

TCA REQUEST TEMPLATE

B.1. Identification of the request

The TCA Request shall include the following product(s) information:

- Enel Global Infrastructure and Networks Country type code (e.g. GSX00Y/ZZ) and/or local codification (e.g. 123456)
- Supplier's type designation
- reference Enel technical specifications
- manufacturing factory
- contract number (if applicable)

Only for TCA system T (see chapter 5)

- the name of the selected third-body, its accreditation certification and annexes

Only for TCA system F (see chapter 5)

- The list of the accredited laboratories in compliance with 4.5.1
- The list of the non-accredited laboratories and the name of the selected third-body, its accreditation certification and annexes in compliance with 4.5.1

B.2. Components and equipments subject of the TCA

The components and equipments that are subject of the TCA request shall be listed like in the table below:

#	Enel's Type code	Enel's Country code	Supplier type designation	Equipment description	Current TCA Status ⁹
1					
2					
3					
4					
5					
6					
...					

⁹ Codes of TCA Status

101 – NO TCA approval in any Enel Group's company

102 – With TCA approval in some Enel Group's company, indicating the company

103 – Equipment similar to other with TCA approval in some Enel Group's company, indicating the company

104 – Suspended/withdrawn TCA

	GLOBAL STANDARD	Page 18 of 21
	TECHNICAL CONFORMITY ASSESSMENT	GSCG002 Rev. 02 23/01/2018

B.3. Technical Reference Person

The Supplier shall identify a Technical Reference Person in charge of the technical process. His/her contact details shall be included in the request according to the table below.

Name	
Functions	
e-mail	
Mobile phone	
Address	
City	
Country	

B.4. Signature

The TCA request shall be signed by a manager of the Supplier, identifying name and functions in its organization. Physical, digital signature or certified e-mail are accepted.

For the TCA request the Supplier shall use its official letterhead.

	GLOBAL STANDARD	Page 19 of 21
	TECHNICAL CONFORMITY ASSESSMENT	GSCG002 Rev. 02 23/01/2018

ANNEX C
TEST TABLE TEMPLATE

#	Technical specification reference (clause #)	IEC (or other standards) reference (if applicable)	Test description	Test applicability*	Test report reference				Applicability report**		
					Name	Laboratory	Date	Name and revision of technical specification and/or standard referenced in the test report	Name	Rev.	Date
1											
2											
3											
4											
...											
* specify the "Case" of clause 4.5.3 applicable to this test ** not necessary for Case 1 and Case 2 of clause 4.5.3.											

Table 5 – Tests table template

	GLOBAL STANDARD	Page 20 of 21
	TECHNICAL CONFORMITY ASSESSMENT	GSCG002 Rev. 02 23/01/2018

ANNEX D

Supplier's Declaration of Conformity according to ISO/IEC 17050-1 and ISO/IEC 17050-2

The product (Suppliers code - Enel code) manufactured by (Supplier name) in the factory (city, country), is fully compliant to the technical specification (name, date and revision).

The Technical Conformity Assessment has been carried out in compliance with the Enel Global Standard GSCG002, rev. 02 of xx/xx/2018 ("Technical Conformity Assessment").

This declaration is issued according to ISO/IEC 17050-1 and ISO/IEC 17050-2.

Date, place

Signed (a legal representative)

	GLOBAL STANDARD	Page 21 of 21
	TECHNICAL CONFORMITY ASSESSMENT	GSCG002 Rev. 02 23/01/2018

ANNEX E

Legal declaration by the Supplier

The product (Suppliers code - Enel code) manufactured by (Supplier name) in the factory (city, country), is fully compliant with all applicable standards and laws in _____(please indicate the country of destination), including the following non exhaustive list:

.....

.....

.....

(please include the list of standards and laws)

Date, place

Signed (a legal representative)