

"TECHNICAL SPECIFICATION FOR SUPPLY ASSESSMENT AND INSPECTION"

S.T.V.F.C. 9995303

ULTRASOUND METERS FOR NATURAL GAS WITH MAXIMUM FLOW RATE GREATER THAN OR EQUAL TO 65 M³/H (\geq G40)

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ASSESSMENT AND INSPECTION (S.T.V.F.C.) 9995303**
ULTRASOUND METERS FOR NATURAL GAS WITH MAXIMUM FLOW RATE GREATER
THAN OR EQUAL TO 65 M³/H (≥G40)

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1 PRELIMINARY INFORMATION

1.1 Company departments mentioned in the document

- SERTEC/NORM - Regulations
- PROMA/MATMA - Material Management
- MISURA/SVILMIS - Measurement Development
- SERTEC/LAB - Laboratory
- PROMA-CMMAT - Category Manager Material

2 PURPOSE AND FIELD OF APPLICATION

2.1 Purpose

This Technical Specification applies to ultrasound gas meters and defines:

- the characteristics of the material and the reference standards;
- the types of checks and test methods used to obtain authorization for company use.

2.2 Scope

It applies whenever material covered by this specification must be authorised for company use, produced by a new potential Supplier or by an existing one.

3 REQUIREMENTS

This Technical Specification deals with two different types of meters:

- a) meters that do not require straight pipes upstream and downstream,
- b) meters that require straight pipes upstream and downstream, in any case not larger than 5DN and 2DN respectively.

Italgas Reti needs to have both types available, since the designer will choose the most suitable one, based on the availability of the spaces present in the measurement section of the plant.

Suppliers may be approved for company use even for only one of the two types.

That said, both types must have the following minimum requirements:

- rangeability (ratio of maximum flow rate and minimum flow rate) ≥ 100 ;

- operating pressure classes¹:
 - minimum pressure of 0.02 bar and maximum pressure of 5 bar (mandatory pressure class);
 - minimum pressure between 0.02 and 0.5 bar and maximum pressure of 12 bar (optional pressure class);
 - minimum pressure between 0.02 and 0.5 bar and maximum pressure of 24 bar (optional pressure class);
- temperature range (minimum range) from -25 °C to + 55 °C;
- conversion at standard thermodynamic reference conditions for pressure and temperature (288.15 K and 101.325 kPa);
- certification according to 94/9/EC (ATEX) directive with the following minimum characteristics: 2G, group IIA, temperature class T3;
- degree of mechanical protection in accordance with the CEI EN 60529 standard, at least IP 66;
- possibility of carrying out periodic checks in accordance with current legislation;
- life of batteries used to supply the volume measurement and conversion circuits, if present, of at least 5 years.

4 CLARIFICATIONS

- This Technical Specification must be considered an integral part of the "ITALGAS GROUP'S SUPPLIER QUALIFICATION AND ASSESSMENT SYSTEM".
- The fluid that the products detailed in this Technical Specification must measure is opportunely odorized natural gas, the characteristics of which are set out in Ministerial Decree of 19 February 2007, published in the Official Gazette n° 65 of 19 March 2007.

4.1 Technical assessment

Within the overall assessment of the proposed products, Italgas Reti reserves the right to also take into account the operational maintenance requirements of the devices as described in the corresponding instructions.

5 CHARACTERISTICS OF THE METERS

5.1 Dimensions and Materials

The characteristics of the material, production methods, quality control and certification must comply with the reference standards set out in paragraph 11.

¹ Values refer to relative pressure

5.2 Marking

Must comply with the requirements set out in ISO 17089-1.

5.2.1 Barcode

Furthermore, Italgas Reti requires that the meters be identified by a suitable barcode, which must contain in sequence the following numerical data:

- | | |
|--|------------|
| - barcode start code (set to zero "0") | (1 digit) |
| - meter serial number | (8 digits) |
| - meter model (assigned by Italgas Reti) | (4 digits) |
| - meter brand (assigned by Italgas Reti) | (3 digits) |
| - year of manufacture | (2 digits) |
| - year of marking (YY) | (2 digits) |
| - month of marking (MM) | (2 digits) |
| - number of digits of display (only integer m ³) | (1 digit) |
| - construction details (see table 1) | (2 digits) |
| - repair firm code (set to zero "00") | (2 digits) |
| - re-marking/repair year (set to zeros "00") | (2 digits) |
| - re-marking/repair information (set to zero "0") | (1 digit) |
| - miscellaneous information (set to "99") | (2 digits) |

Table 1. Construction details coded by Italgas Reti

Technology used	Construction Details Code
ULTRASOUND	34

The barcode must be made up of **black bars on a white background** and must comply with the following instructions:

- size of removable adhesive label on package (23 x 88 mm) or (25 x 110 mm);
- low/medium density interleaved 2 of 5 code from 0.38 mm to 0.25 mm;
- height of bars no less than 11 mm and in any case suitable to the length of the code;
- the total 31 characters excluding the "start code" must be written in the lower part;
- the information contained in the barcode must be readable by means of a P31R - 132A DATALOGIC barcode wand, at medium resolution.

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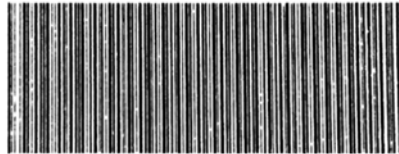
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0151152420180301414056290000099



The barcode must be printed on a removable label placed on the package containing the meter.

5.2.2 *Two-dimensional code*

In addition to the barcode, a "two-dimensional code" (QR-code) must be provided, that must contain the same information as the barcode, with the same sequence.

The QR Code must have the following characteristics:

- two dimensional Quick Response code (QR code);
- the size of the QR code for a string consisting of 31 digits.

For example: "1234567809012345678901234567890" must be:

- pixels: 135 x 135;
- cm: 3.58 x 3.58.

As shown in the example below

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The numerical sequence, in clear, of the two-dimensional code, may be printed outside the QR Code, as shown in the example below.



The QR Code (with a removable adhesive) must be placed on the package containing the meter.

5.3 Pressure and Temperature Taps

In meters for which correction at standard conditions uses temperature and pressure probes, pressure and temperature taps must be provided on the meter to perform checks (if taps on the meter are not available, the supplier must indicate where they must be made on the pipe).

The pressure and temperature probes and the related taps required must not obstruct the meter's installation/removal operations.

5.4 Outputs

The meter must comply with the ISO 17089-1 definition on available Outputs.

5.5 Electronic totalizer

In addition to complying with applicable regulations and laws, the meter's electronic totalizer (display), must be built so as to make the internal components invisible.

The electronic part must be sealed so as to prevent unauthorized access without breaking the seal. Eyelet systems (screws, bolts, etc.), if present, must have holes at least 2 mm in diameter for the application of sealing wire by the operating staff.

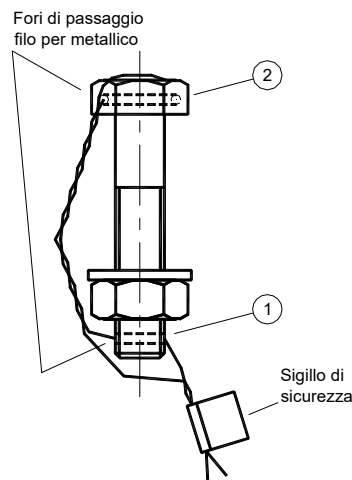
5.6 Flanged connections

The meter's input and output connections must comply with the international standard e.g. ANSI/ASME (Class 150, 300, 600, 900 etc.), for the respective pressure classes (5 bar, 12 bar and 24 bar).

5.7 Gaskets

The meters must be supplied with required gaskets, counter-flanges and bolts.

Furthermore, at least two of the bolts needed for flange assembly must have 2 mm diameter holes for application of sealing wires.



Particolare "A"

5.8 Traceability

Traceability must be ensured of the meter's serial number, and also of all the meter's most significant components: case, electronic totalizer, sensors, batteries if applicable, etc.

5.9 Changes

After obtaining an authorization for company use, the Supplier must not make any significant changes to the authorised products without prior notification to Italgas Reti, which reserves the right to accept or reject proposed changes, and to require laboratory tests and technical documentation.

By way of example, significant changes are considered those concerning:

- measurement system (e.g.: temperature and pressure probes, ultrasonic sensors);
- electronic totalizer;
- building dimensions;
- conversion module;
- type of batteries, if any.

6 COMPANY USE AUTHORISATION

This Technical Specification contains the requirements set by Italgas Reti to access the procedure to obtain company use authorisation as per paragraph 10.


In particular, the characteristics of the materials, the manufacturing methods, the quality control and the certification must comply with the reference standards specified in paragraph 11 and with the specifications expressly indicated in paragraph 5.

6.1 Implementation Methods

Italgas Reti will take samples directly from the Supplier's warehouse to carry out tests for company use authorisation.

Table 2 Meter sampling

Gauge	Quantity
G40÷G160	2
≥G250	1

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Furthermore, Italgas Reti reserves the right to carry out any additional tests on a sample basis with respect to the provisions of paragraph 6.2.

6.2 Metrological characteristics

In accordance with the respective product standards, the meters must not have errors exceeding the maximum permissible values set out in Table 3.

Table 3. Permissible measurement errors for class 1.0 meters.

<i>FLOW RATE</i> <i>m³/h</i>	<i>MAXIMUM ALLOWED</i> <i>ERROR NEW (*)</i>
<i>Q_{min} ≤ Q < Q_t</i>	2.0 %
<i>Q_t ≤ Q ≤ Q_{max}</i>	1.0 %

Note: When the errors between Q_t and Q_{max} all have the same sign, they must not exceed 1.5%.

Q = Flow rate

Q_{min} = Minimum flow rate defined by the product standard

Q_{max} = Maximum flow rate defined by the product standard

Q_t = Transitional flow rate defined by the manufacturer that lies between the maximum flow rate and the minimum flow rate. (Q_t matches the value of 0.1 Q_{max})

(*) For instruments equipped with a temperature conversion device, which indicates only the converted volume, the maximum permissible error of the meter shall be increased by 0.5% in a range of 30°C extending symmetrically around the temperature specified by the manufacturer, between 15°C and 25°C. Outside this range, an additional 0.5% increase per 10°C division is permitted.

6.2.1 Inspection under normal operating conditions

The checks performed on the meters will be:

- measurement error as new converted at reference temperature conditions (288.15 K) and pressure, if this function is present, (101.325 kPa). The tests will be carried out with air as fluid at the flow rates Q_{min} - 0.1 Q_{max} - 0.25 Q_{max} - 0.4 Q_{max} - 0.7 Q_{max} - Q_{max} , repeated up to 6 times (minimum 3 repetitions) at the laboratory temperature (20°C ± 2°C).

6.3 Results of tests carried out by the manufacturer

After the assessment of the results provided by the supplier on tests performed by Laboratories belonging to the EA circuit and complying with the requirements of the EN ISO/IEC 17025 standard, Italgas Reti may grant a provisional authorisation.

The provisional authorisation, however, subject to the evaluation of the initial results of the tests themselves, allows the supplier to supply the meters and will have to be made final or revoked.

6.4 Issue of company use authorisation of meters

If the checks required by this Technical Specification are successfully passed, MISURA/SVILMIS will inform the supplier of the issue of company use authorisation for the meters.

7 COMPLIANCE TEST OF DELIVERIES

7.1 General Information

The following tests apply to meters of all gauges.

7.1.1 Meter inspection at the Supplier

The supplier must request to SERTEC/LAB to perform a test, if it decides not to be present at the test, SERTEC/LAB will inform the supplier.

Otherwise, SERTEC/LAB, MISURA/SVILMIS, or expressly appointed Companies will be present at the test at the supplier. The number of meters to be inspected is determined on the basis of the quantity to be delivered and the tables in the ISO 3951-1 Standard "*Sampling procedures for inspection by variables (Annex A)*", as follows.

The general inspection level I of Table 4 is selected, combined with the "limited" inspection of "methods" of table 5.

The same requirements as those set out in paragraph 7.1.2.3 shall be met in order to judge the compliance of the lot.

After a successful test at the production site or waiver thereof, the manufacturer shall send to SERTEC/LAB a number of meters, as set out below, that belong to the lot being inspected, properly packaged.

SERTEC/LAB shall report to the manufacturer the number of meters to send to the LABORATORY (LAB) determined on the basis of the quantity to be delivered and the tables in the ISO 3951-1 Standard "*Sampling procedures for inspection by variables (Annex A)*", as follows.

The general inspection level I of Table 4 is selected, combined with the "limited" inspection of method "sigma-σ" of table 5.

Table 4. Lot Size and General Inspection Level

No. of meters	I	II	III
from 2 to 8	B	B	B
from 9 to 15	B	B	C
from 16 to 25	B	C	D
from 26 to 50	C	D	E
from 51 to 90	C	E	F
from 91 to 150	D	F	G
from 151 to 280	F	G	H
from 281 to 500	F	H	J
from 501 to 1200	G	J	K
from 1,201 to 3,200	H	K	L
from 3,201 to 10,000	J	L	M
from 10,101 to 35,000	K	M	N
from 35,001 to 150,000	L	N	P
from 150,000 to 500,000	M	P	Q
over 500,000	N	Q	R

Table 5. Inspection method

<u>Sampling letter</u>	"method-s"		"method-σ"	
	Normal inspection	AT THE MANUFACTURER Limited inspection SERTEC/LAB MISURA/SVILMIS	Normal inspection	IN THE LABORATORY Limited inspection SERTEC/LAB MISURA/SVILMIS
B	3	3	2	2
C	4	3	3	2
D	6	3	4	2
E	9	4	6	3
F	13	6	8	4
G	18	9	10	6
H	25	13	12	8

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J	35	18	15	10
K	50	25	18	12
L	70	35	21	15
M	95	50	25	18
N	125	70	32	21
P	160	95	40	25
Q	200	125	50	32
R	250	160	65	40

The meters are randomly selected by SERTEC/LAB, and may possibly fully or partly overlap with the meters being inspected at the Supplier. At the same time, the Manufacturer shall send the indicated quantity of meters, ensuring that they reach SERTEC/LAB within 5 working days from the factory test. The Supplier must only ship the lot only after having received the delivery release.

The manufacturer must issue certification that the lot submitted for inspection is compliant with the UNI EN 10204-3.1 standard.

The Manufacturer must also issue certification of compliance with the EN 10204-3.2 standard for the tests attended by SERTEC/LAB.

7.1.2 Inspection at the Italgas Reti laboratories

Upon receipt of the meters, sent by the Supplier, SERTEC/LAB shall analyse the lot, verifying the calibration errors, while MISURA/SVILMIS shall analyse the meters, the configuration, and the performance of the software.

All test activities will be carried out within five working days² of receipt.

Upon completion of the tests, in the event of a positive outcome, PROMA/MATMA will release the lot (the relevant information is contained in the SERTEC/LAB notification of the test to the manufacturer), while in the event of a negative outcome, the provisions of paragraph 7.1.2.4 must be followed.

7.1.2.1 Requirements for calibration benches used by SERTEC/LAB

To determine the metrological compliance of the meter being inspected with respect to the maximum permissible errors (MPE), the calibration benches of the Asti Laboratory guarantee overall BMC (Best Measurement Capability) less than/equal to one third of the most restrictive MPE, as required by the

²If work peaks occur, for which SERTEC/LAB will promptly inform the Supplier and PROMA/MATMA, the test will be carried out within no more than ten working days.

WELMEC Guide 11.1, May 2008, European Cooperation in Legal Metrology, in accordance with the MID European Directive:

$$\mathbf{BMC \leq 1/3 MPE}$$

$$\mathbf{MPE: \pm 2.0 \% \div \pm 1.0 \%}$$
 (see table 3 - maximum allowed error new)

7.1.2.2 Performing the calibrations

The activities carried out by SERTEC/LAB are as follows:

- receiving the incoming meters and planning the tests;
- performing the tests on each individual meter at the following 4 test flow rates: Q_{min} , $0.2Q_{max}$, $0.4 \div 0.7Q_{max}$ and Q_{max} ;
- suitably segregating meters found non-compliant, e.g. in the warehouse, labelling them "NON COMPLIANT";
- sending to the manufacturer, informing PROMA/MATMA, MISURA/SVILMIS thereof, the results of the tests and of the non-conformities found;
- making the meters available in the shortest time possible for field installations.

7.1.2.3 Compliance of individual meters following calibration tests

For a meter of a supplied lot to be considered compliant, the following requirements must be met:

$$e_m \leq MPE_1 \text{ for the individual test flow rates (1)}$$

where e_m is the average percentage error,

$$MPE_1 = \begin{aligned} &\pm 2.0\% \text{ at the } Q_{min} \text{ (only 1 test without repetition);} \\ &\pm 1.0\% \text{ at the other flow rates } 0.2 Q_{max}, 0.4 \div 0.7 Q_{max} \text{ and } Q_{max} \text{ (3} \end{aligned}$$

repetitions)

When the errors between Q_t and Q_{max} all have the same sign, none of them must be greater than 0.5% (in absolute value). (2)

Note: the compliance of the meter calibration errors is assessed on the basis of the result rounded to the first decimal place.

7.1.2.4 Non compliance of lots of meters following tests

The suitability of the batch of meters subject to inspection is assessed on the basis of the results of laboratory calibration and checks of parameterization and firmware.

For laboratory calibrations, the following AQL *acceptance limits* shall be used:

AQL₁ = 6% ³ selected samples that do not meet the requirement (1).

AQL₂ = 10% selected samples that do not meet the requirement (2).

The tolerance due to the use of the AQL acceptance limits is justified by the possible influence of uncertainties in the measurements of the various benches: these, by their very nature, are random and therefore without a known sign; especially around the acceptability values, they can play an important role in determining compliance of the calibration.

If one of the AQL indices is exceeded or if the parameterisation and firmware tests fail, provision of the meters is temporarily put on hold. SERTEC/LAB shall issue a Non-Compliance Report to the Supplier, requesting a Corrective Action Plan, informing PROMA/MATMA and MISURA/SVILMIS.

Following the issue of the Non-Compliance Report and the ensuing Corrective Action Plan, SERTEC/LAB and MISURA/SVILMIS shall agree with the Supplier the inspection of a new representative sample of the lot, with reference to inspection level **I, sampling method-sigma, normal inspection**, of technical standard ISO 3951-1:2005 "*Sampling procedures for inspection by variables*".

All meters of the new sample must comply with the requirements set out in paragraph 7.1.2.3.

Only if this test is successful, the supply may be resumed, informing PROMA/MATMA and MISURA/SUSCON. If the outcome remains negative, the entire lot must be rejected and a new Corrective Action Plan will be requested to investigate the causes of the deviation that must be assessed and approved by SERTEC/LAB and MISURA/SVILMIS.

SERTEC/LAB will keep PROMA/MATMA informed about the progress of the Non-Compliance.

If the limits defined by the reference AQLs are not exceeded, only the individual meters are found non-compliant and the lot they belong to is accepted; the individual non-compliant meters will be collected by the Supplier for replacement under warranty.

³ Unless faults can be attributed to transport. To do so, the laboratory reserves the right to request further sampling to better assess the incidence of the anomaly or to not consider the abnormal samples in the compliance analysis.

8 OTHER ACTIVITIES TO BE CARRIED OUT BY THE SUPPLIER

8.1 User Manual of the Meter

For each meter delivered, the Supplier must provide a user manual and an installation and use manual.

8.2 Training

The Supplier shall provide Italgas Reti operators with free courses and practical training at the Italgas Reti regional offices on the installation methods and operation.

8.3 Declaration of conformity

The Supplier shall provide a specific declaration of conformity, also cumulative, e.g. as required by Legislative Decree no. 84 of 19 May 2016, in both paper and electronic format.

8.4 Packaging

The Supplier shall package the meters so as to ensure the integrity of the goods, their safety during all the handling phases, and the identification of the type of meter.

The meters must be individually packaged respecting the standard dimensions of cm 80 x 120, and a maximum height of 140 cm. The Europallet must, in turn, be packaged and reinforced on its four corners so as to prevent any movement of the load contained therein.

The barcodes of the individual meters, possibly in sequence from ... to ... must be applied to each individual package and to the Europallet.

9 PRODUCT WARRANTY

The metrological performance and the mechanical and constructive characteristics of the installed meters must be guaranteed for 5 years. The warranty applies if the deviation of performance is due to a defect in the meter.

All meters that for any reason (periodic, random, etc.) have been inspected with negative outcome must be replaced under warranty pursuant to the warranty terms set out above.

10 DOCUMENTATION FOR THE PROCEDURE TO ACHIEVE COMPANY USE AUTHORISATION

10.1 Company Use Authorisation

Without prejudice to the provisions of paragraph 6, in order to achieve company use authorisation of its meters, the Supplier must be qualified as a Supplier of Italgas Reti for the relevant product category.

In order to obtain company use authorisation for each proposed product (type a) or b) as specified in paragraph 3, meter class, etc.), the Supplier must submit to the SERTEC/NORM office:

- a copy of its EN ISO 9000 certification;
- a declaration of conformity of the product to the reference documents (STV, EU Directives, EN, UNI and other National or International Standards, etc.);
- a declaration certifying the legal title to market the product;
- any further technical documentation and/or drawings requested by the competent Italgas Reti offices,
- the "Operating Instructions" for the correct use of the product;
- the "Certificate of Conformity" with Legislative Decree no. 93 of 25 February 2000 (PED directive), issued by a recognized certification Body.

If, on the basis of the design of a product intended for use under pressure (PED directive), the Supplier determines that its product does not fall within the characteristics defined in the aforementioned directive, it must always submit a declaration of inclusion within art. 3(3) of the aforementioned directive, to certify the exemption of the product in compliance with the provisions of the same paragraph;

- a FACSIMILE of the marking on the product, or on the accompanying documents, bearing the data required by Presidential Decree 126 of 23 March 1998 (where applicable), by Legislative Decree no. 93 of 25 February 2000 and by the technical standards applied.

On the basis of the product supplied, a declaration of conformity must be presented referring to:

- Declaration of Conformity to Legislative Decree no. 84 of 19 May 2016, "Implementation of Directive 2014/32/EU" on measuring instruments (MID), or compliance with OIML recommendation R 137 - 1&2;
- "EC declaration of conformity" pursuant to Presidential Decree no. 126 of 23 March 1998 (ATEX 1 Directive).

If, on the basis of the design of a product intended for use in potentially explosive atmospheres (ATEX 1 directive), the Supplier determines that its product does not fall within the requirements of the aforementioned directive, the Supplier must send a declaration of acceptance of responsibility, which certifies that, following the risk analysis carried out, the product does not have potential sources of ignition of its own, does not therefore fall within the scope of Presidential Decree no. 126/98 (ATEX 1

directive) and therefore can be installed in all the types of zones specified by Legislative Decree no. 233/03 (ATEX 2 directive).

Italgas Reti reserves the right to require that the Supplier:

- provides further technical documentation and/or drawings;
- performs laboratory and/or field tests in order to verify the conformity of the proposed products with the contents of this Technical Specification.

11 NORMATIVE REFERENCES

- Legislative Decree no. 93 of 25 February 2000 "Implementation of Directive 97/23/EC PED on pressure equipment";
- Presidential Decree no. 126 of 23 March 1998 (ATEX 1);
- Law 1083/1971 "Safety of use of natural gas";
- Ministerial Decree 16 April 2008 Technical regulation for gas distribution;
- Official Gazette General Series no. 121 of 25 May 2016 - Ordinary Suppl. No. 16 Legislative Decree no. 84 of 19 May 2016 "Implementation of Directive 2014/32/EU on the harmonization of the laws of the Member States concerning making measuring instruments available on the market, as amended by Directive (EU) 2015/13";
- International Recommendation OIML R 137 -1&2;
- ISO 17089-1 Measurement of fluid flow in closed - Ultrasonic meters for gas - Parts 1 and 2;
- Ministerial Decree no. 93 of 21 April 2017 - Regulations for the implementation of legislation on in-service monitoring of measuring instruments and on the supervision of measuring instruments in compliance with national and European regulations;
- UNI EN ISO 9000-9001-9004:2000 "Vision 2000 Package. Quality Management Systems. Foundations and terminology. Requirements. Guidelines for improving performance";
- Ministerial Decree of 19 February 2007, published in the Official Gazette no. 65 of 19 March 2007 "Approval of the technical regulations on the chemical and physical characteristics and on the presence of other components in combustible gas to be transported";
- UNI CEI EN ISO/IEC 17050-1 "Conformity assessment – Supplier's declaration of conformity – Part 1";
- ISO 3951-1 Sampling procedures for inspection by variables;
- Law no. 99 of 23 July 2009 (OG no. 176 of 31 July 2009 - Ordinary Suppl. no. 136).

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12 APPENDIX 1

Sample Declaration of Conformity

(1) **Logo and name of Supplier**
Address

(2) **prot. xyz**

Product: Product description (e.g. G100 class ultrasonic meter, DN 80)
The following products that we manufacture (3):

Meter type	Supplier's Material code (4)
xxx	xxx
xxx	xxx
xxx	xxx

comply with the following reference Italgas documents (5):

for example

- *S.T.V. 0000300 "TECHNICAL PROVISIONS OF GENERAL CHARACTERISTICS FOR MATERIAL TABLES AND TECHNICAL NOTES "ed. 0 of 23 July 2003*
- *N° T. 150/0/00/GG "THREADED SOCKET LINES FOR CONNECTIONS FROM CAST IRON PIPES B.P AND MPA "dated 05 December 2000*
- ...

(6) In addition, they comply with the current regulations.

Place, date

WARNING!!

First name and Last name
Role of the company representative

Handwritten signature

FACSIMILE

**TECHNICAL SPECIFICATION FOR SUPPLY
ASSESSMENT AND INSPECTION (S.T.V.F.C.) 9995303**
ULTRASOUND METERS FOR NATURAL GAS WITH MAXIMUM FLOW RATE GREATER
THAN OR EQUAL TO 65 M³/H ($\geq G40$)

CODE
9995303

ISSUE DATE
15/01/2018

VERSION
0

PAGE OF
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- 1 On letterhead paper or if visible on applied stamps.
- 2 If possible, indicate a unique identifying code to trace the document.
- 3 List all the products for which company use authorisation is being requested.
- 4 For each individual product supplied, state the material code used by the Supplier.
- 5 Include the reference documents for the proposed products.
- 6 Any additional information may be added at the Supplier's sole discretion as mentioned in the CEI EN ISO/IEC 17050-1 standard