

International Standards in Caterpillar Machines

Performance, Capability

Operator, Operator Environment

Terminology, Vocabulary, Symbols

**ROPS, FOPS,
TOPS, OPS**

**Load, Force,
Volume**

Sound, Vibration

**Machine Elements,
Work Tools**

**Seats,
Seatbelts**

**Maintenance, Training,
Serviceability**

**Alarms, Warning
Devices**



CATERPILLAR CIS

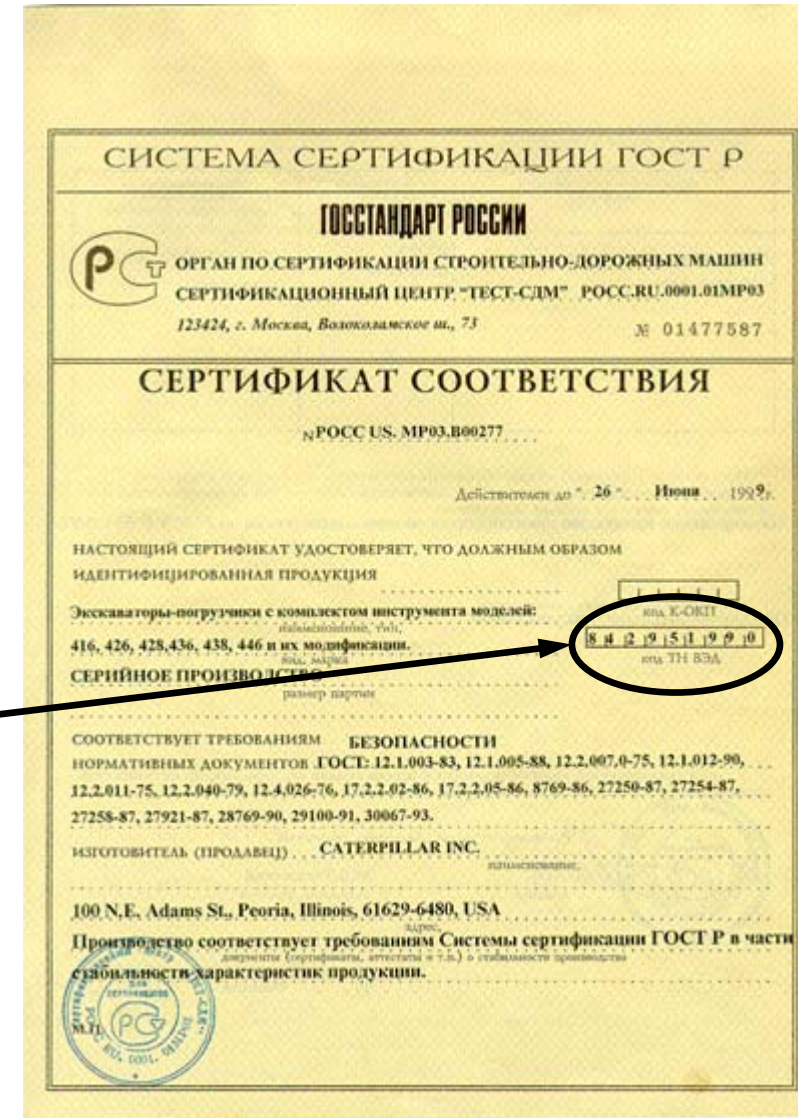
- In the CIS we have started a direct business which later was transmitted to dealers. In the period of dealers development Caterpillar has been homologating all of the machines, engines & spare parts it currently believes are needed in the Russian market. We hold Gosstandard, Rostekhnadzor, Hygienic and Communication Ministry certificates. **The value of Gosstandard certificates extends beyond safety assurance. These certificates protect and defend our trade mark and quality reputation.** Those expenses were an investment in dealers development. All this gives possibility to put machine on the market.
- **From the year 2007 Caterpillar proceed to do all the technical work regarding homologation (tests, production audit, machine redesign for market demands) and leaves legal part to a dealer on its territory.**

Gosstandart Certification

- **Needed to cross the border, checked by the customs**
- **Certification may be obligatory or voluntary**
- **The list of products subject to obligatory certification is defined by Gosstandart of Russia and supervised by customs, Rospotrebnadzor and Tekhnadzor**
- **Certificates could be of “type” or “batch” kind**
- **Type certificates are valid for a period of time for certified machines – 3 years maximum**
- **Batch certificate is issued for a specific group of machines**

Gosstandart Certification

- “Certificate” indicates that product meets Russian standards
- “Certificate” is required by Russian customs for import clearance
- “BTN” codes reference duty rates
- Caterpillar supplies certificates to our Dealers
- “Legal” copies required



Rostekhnadzor Certification

- “*Permission*” for operation of machinery in mining, oil & gas and other dangerous industries
- Principally aimed at machine safety issues

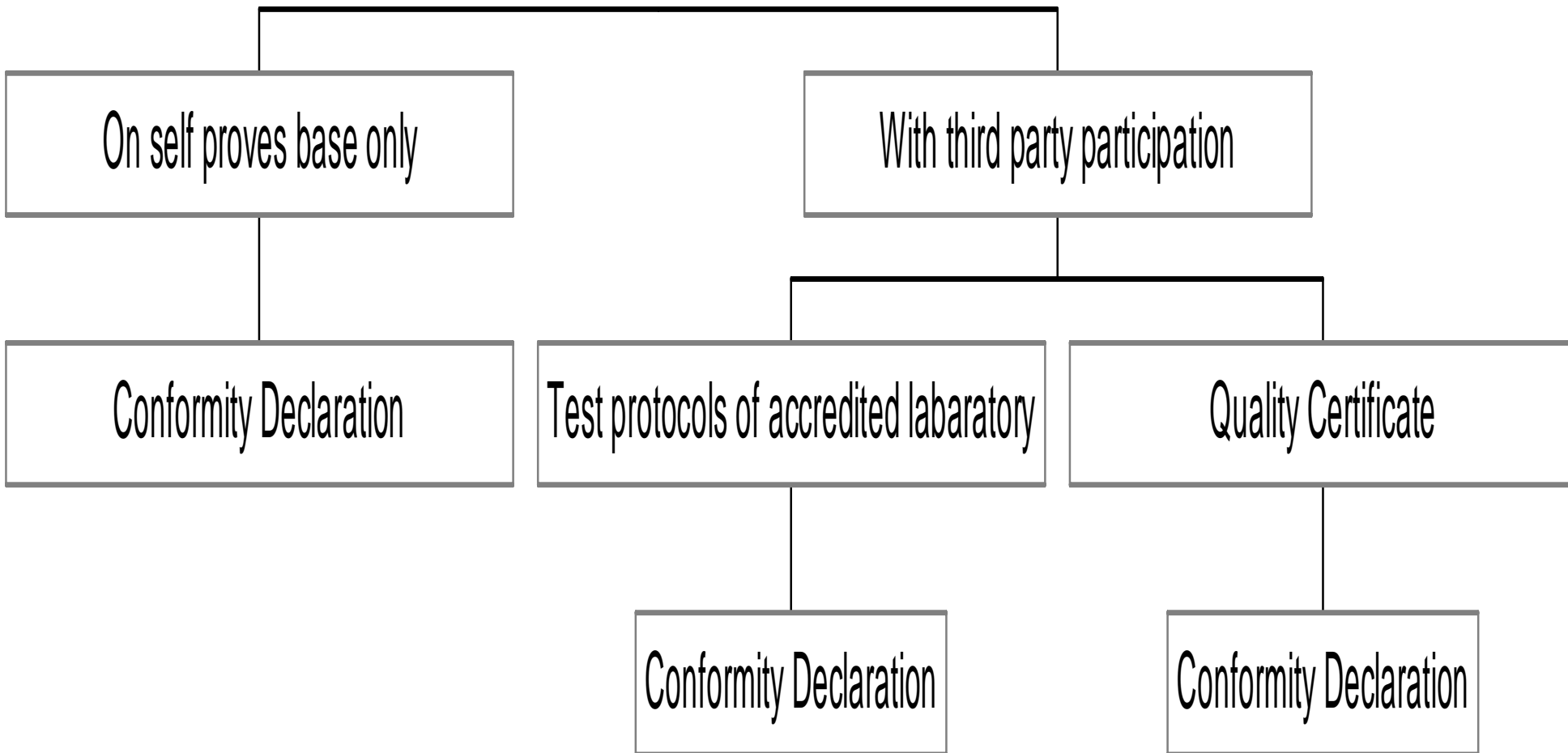


- Photocopies are valid

Certification Process in

- **Russia. GOST R, Rostehnadzor, Conformity declaration of Communication Ministry for gensets. Hygienic conclusion for all product line which is canceled from 2010.**
- **A new law on Technical Regulation #184 is approved by the Government in 2002 the goal is to eliminate doubling in certification through Technical Reglaments and barriers for business and trade.**
- **Additional challenges – communication, airport, construction, oil & gas, metrology certifications.**

DECLARATION SCHEEMS



Certification Process in

- **Ukraine.** Ministry of Labour approval for gensets and all spare parts certification
- **Uzbekistan.** Certified all product which has Caterpillar logo on it.
- **Kazakhstan.** Force majeure ministry permission and Gosstandart certificates of compliance
- **Byelorussia.** Promatomnadzor approval for gensets, engines and machines

Recommendations for Certification Process

- **Harmonization of Russian standards with International Standards**
- **The practice of mutual recognition of certification results should be accepted**
- **Russian certification requirements go beyond safety and environmental parameters. Example: fuel consumption, reliability, cold start for engines and other data**
- **Duplication in GOST R, Ministry of Communications certifications and Rostekhnadzor permission issuing should be eliminated**
- **Conformity declaration meaning should be closer to EU understanding.**