

Recommendation **ITU-T F.748.29 (06/2024)**

SERIES F: Non-telephone telecommunication services

Multimedia services

Framework and requirements of computer audition-based machinery fault diagnosis systems

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Recommendation ITU-T F.748.29

**Framework and requirements of computer audition-based
machinery fault diagnosis systems**

Summary

Building intelligent machinery fault diagnosis systems is essential for preventing unexpected breakdowns of machinery, thus enhancing production efficiency and ensuring safety during operations. The integration of computer audition into machinery fault diagnosis systems can detect subtle faults imperceptible to vision through non-destructive ways. Recommendation ITU-T F.748.29 specifies the basic concept of computer audition and identifies the framework and requirements of computer audition-based machinery fault diagnosis systems.

History*

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In some areas of information technology which fall within ITU-T's purview, the necessary standards are prepared on a collaborative basis with ISO and IEC.

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