
Naftna in plinska industrija, vključno z nizkoogljično energijo - Zagotavljanje proizvodnje in upravljanje zanesljivosti (ISO/DIS 20815:2025)

Oil and gas industries including lower carbon energy - Production assurance and reliability management (ISO/DIS 20815:2025)

Öl- und Gasindustrie einschließlich kohlenstoffarmer Energieträger - Betriebsoptimierung und Zuverlässigkeitsmanagement (ISO/DIS 20815:2025)

Industries du pétrole, de la pétrochimie et du gaz naturel - Assurance production et gestion de la fiabilité (ISO/DIS 20815:2025)

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75.020	Pridobivanje in predelava nafte in zemeljskega plina	Extraction and processing of petroleum and natural gas

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DRAFT International Standard

ISO/DIS 20815

Oil and gas industries including lower carbon energy — Production assurance and reliability management

*Industries du pétrole, de la pétrochimie et du gaz naturel —
Assurance production et gestion de la fiabilité*

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Foreword

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This document was prepared by Technical Committee ISO/TC 67, *Oil and gas industries including lower carbon energy*.

This third edition cancels and replaces the second edition (ISO 20815:2018), which has been technically revised. The main changes are as follows:

- [Clause 3](#): several new terms, definitions and abbreviations;
- [Clause 4](#): changes in [Clause 4.1](#), new [Clause 4.2.2](#), revised [Figure 5](#) and [Table 2](#);
- Main clauses and [Annex A](#): establishment and use of production assurance programme or reliability management programme will both imply conformance of this document;
- [Annex A](#): minor changes;
- [Annex B](#) and [C](#): changes to align with production assurance processes for life cycle phases in revised [Table 2](#);
- [Annex A](#) and [Annex E](#) are made normative;
- [Annex D](#): various new text and new figures;
- [Annex F](#): revised figure in [Clause F.2](#), new text in [Clauses F.3](#) and [F.4](#);
- [Annex G](#): various changes made to reflect the relationship to ISO/TS 3250:2021. Some text in the second edition (ISO 20815:2018) has been removed since the next edition of ISO/TS 3250 is planned to cover production loss categories for also midstream, downstream and petrochemical;
- [Annex H](#): some changes;
- [Annex I](#): various changes in [Clauses I.1](#), [I.7](#) to [I.10](#), [I.18](#), [I.20](#) to [I.26](#).

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

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Introduction

The oil and gas industries including petrochemical and lower carbon energy activities involve large capital expenditure (CAPEX) as well as operating expenditure (OPEX). The safety and the profitability of the associated assets are dependent upon the reliability, availability and maintainability of the systems and components that are used. Therefore, for optimal production availability to deliver affordable energy in a sustainable manner, standardized and integrated production assurance and reliability management are essential.

The concept of production assurance, introduced in this document, enables a common understanding with respect to use of reliability technology in the various life cycle phases and covers the activities implemented to achieve and maintain a performance level that is at its optimum in terms of the overall economy and, at the same time, consistent with applicable regulatory requirements and framework conditions.

The normative [Annex A](#) and [Annex E](#), and the informative annexes support this standardization concept for industry stakeholders.

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