

EPIM

Delivery of Standard Documentation using EqHub



Contents

1	Introduction.....	2
2	What Is EqHub	2
3	Standard information	2
3.1	Standard equipment.....	2
3.2	Standard documentation	2
4	Roles and responsibilities	3
4.1	General principle	3
4.2	Operator.....	4
4.3	Contractor	4
4.4	Package Suppliers	4
4.5	Equipment Supplier/Manufacturer	4
4.6	EqHub Team.....	4
5	EqHub support.....	4
6	Attachment – Standard documentation	5
6.1	What is standard documentation	5
6.2	Standard document categories.....	5
6.3	Examples of standard documentation	5
6.4	Variants and Models (examples)	6
6.4.1	Example of Standard Type/Model documentation	6
6.4.2	Example of Standard variant documentation	7
6.4.3	Model and variant principles.....	7

1 Introduction

This document shall give companies delivering information to Oil and Gas operators an overview of how EqHub will be used in document delivery processes. The document is meant to be an addition to DFO requirements used in modification and development projects.

This document is most relevant for Contractors responsible for both modification and development projects. It is also relevant for Operators and Package Suppliers to clarify the roleplay and requirements related to standard document deliveries using EqHub.

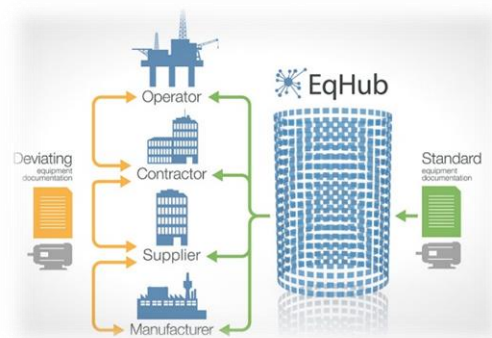
The objective for this document is to describe how companies required to use EqHub shall handle and use the concept related to technical equipment information delivery processes.

2 What Is EqHub

EqHub is an industry initiative, providing a library of quality controlled technical Standard information for Standard Equipment. The standard equipment information is delivered according to common industry requirements and formats. The information is re-usable for every new project initiated by operator or contractor.

EqHub is owned by the operators on the Norwegian Continental Shelf through EPIM and is available for all companies handling and delivering documentation and information to oil and gas operators using the industry delivery standards.

EqHub holds information and documentation requirements based on standards, developed by the oil and gas operators.



3 Standard information

This section describes what standard equipment and standard documentation. Examples are described in the attachment section of this document.

3.1 Standard equipment

Standard equipment is an equipment or a component produced repetitively for a broad range of buyers and users.

All equipment or components can be modified, however if the basis component is produced from a repetitively production the component is defined as a standard equipment because normally most of the associated documentation is not changed and hence standard documentation.

Standard equipment can be defined as variants, models and types. A model or a type can consist of one or several variants.

3.2 Standard documentation

Standard documentation for a component or equipment is developed by the manufacturer. Standard documentation will be the same independent of who is requesting it. Standard documentation shall and can be re-usable.

Examples of standard documentation:

- Installation and removal procedures
- Operation and maintenance instructions
- Product description and ordering information
- Sectional drawing
- Measurement and arrangements drawing
- EC Declaration of Conformity
- ATEX Certificates

Example of non-standard documents:

- Inspection & Test Plan
- Production Plan (EPMS)
- Material Certificates incl. Traceability list
- Mechanical Completion Documentation

A manufacturer of a component or equipment defines what is standard documentation. Standard documentation is often connected to a model level where the standard documentation covers several variants of a model.

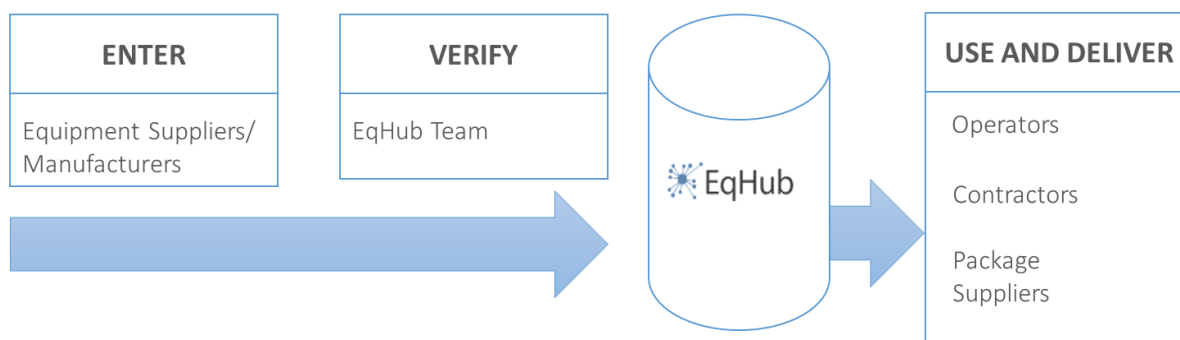
4 Roles and responsibilities

Requirements related to information and documentation deliveries are defined by the Operators. In a general setup of both Greenfield and Brownfield projects the requirements are followed, controlled and managed by Contractors on behalf of the Operator. In the case of direct interaction between the Operators and Package Suppliers, Equipment Suppliers or Manufacturers the requirements will be followed up, controlled and managed by the Operator.

The Supplier of the equipment shall be responsible for submitting information and documentation based on requirements established in EqHub. The correctness of the equipment information and documentation is the Suppliers responsibility. The EqHub Team is responsible for verification of the information quality in EqHub upon Operator's request. The verification process consists of checking correctness and fill rate for data attributes in datasheet and delivery of relevant documents.

4.1 General principle

The general principle is that the equipment supplier/manufacturer delivers information and documentation into EqHub. The EqHub Team verifies the information and documentation entered in the Hub. All other groups and companies shall have read access to information and documentation.



Enter and verify: The Equipment supplier/Manufacturer shall deliver information into EqHub. The EqHub Team is responsible for verifying information and documentation submitted based on industry requirements.

Use and Re-use: Operators, Contractors and Package Suppliers shall use and re-use information and documentation in EqHub.

Deliver: Package Suppliers and Contractors shall point at information and documentation in EqHub through TEK to Tag links.

4.2 Operator

It is the Operators responsibility to ensure that EqHub requirements are communicated throughout the supply chain.

4.3 Contractor

The Contractor shall issue a complete and correct Supplier Equipment List with reference to EqHub through a TEK number link to Tags.

This Supplier Equipment List shall contain all standard equipment from all equipment suppliers and both tagged and untagged items shall be included with ref to TEK number.

The contractor is responsible for linking the correct TEK number to tags in the Supplier Equipment List.

4.4 Package Suppliers

The Package supplier shall issue a complete and correct Supplier Equipment List with link to TEK numbers for relevant tags to the Contractor or Operator.

4.5 Equipment Supplier/Manufacturer

The Equipment supplier is responsible for entering documents and information into EqHub.

In some cases, when beneficial, other groups and companies can enter information and documentation into EqHub on behalf of the Equipment supplier/Manufacturer.

The Equipment supplier/Manufacturer can define what is standard information and documentation.

4.6 EqHub Team

The EqHub Team is responsible for the following activities:

- Support and training to users
- Verification of information entered into EqHub
- Implementation support

5 EqHub support

Users of EqHub can at any time contact EqHub support for technical clarification related to use of the EqHub service.

- Administration and user access: support@eqhub.no
- General user inquiries and application support: support@eqhub.no

See www.epim.no/eq-hub/ for further information.

6 Attachment – Standard documentation

This section will describe what standard documentation is and show examples of standard and non-standard documentation.

6.1 What is standard documentation

Standard documentation for a component or equipment is developed by the manufacturer. Standard documentation will be the same independent of who is requesting it. Standard documentation shall and can be re-usable.

6.2 Standard document categories

- Installation and removal procedures
- Operation and maintenance instructions
- Product description and ordering information
- Sectional drawing
- Measurement and arrangements drawing
- EC Declaration of Conformity
- ATEX Certificates

6.3 Examples of standard documentation

The following can be examples of standard documentation:

Low voltage Motors for explosive atmospheres
Installation, operation, maintenance and safety manual



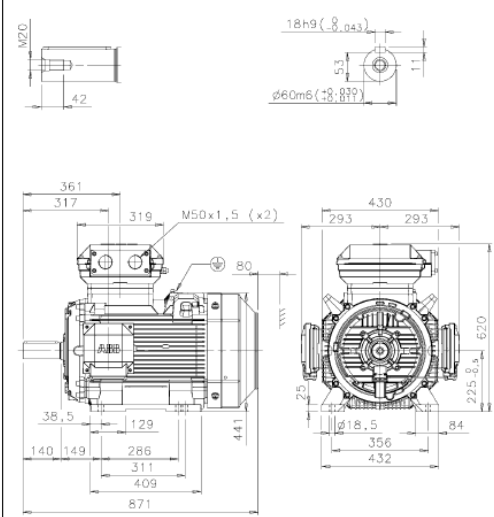


Installation, operation, maintenance and safety manual EN 3
Montage-, Betriebs-, Wartungs- und Sicherheitsanleitung DE 26
Manuel d'installation, d'exploitation, de maintenance et de sécurité FR 47
Manual de instalación, funcionamiento, mantenimiento y seguridad ES 71
Manuale d'installazione, funzionamento e manutenzione IT 66
Manual de instalação, operação, manutenção e segurança PT 117
Kurulum, işletim, bakım ve emniyet kılavuzu TR 141

More languages – see web site www.abb.com/motors&generators > Motors > Document library

Power and productivity
for a better world™ **ABB**

L C I E



<p>1 ATTESTATION D'EXAMEN CE DE TYPE</p> <p>2 Appareil ou système de protection destiné à être utilisé en atmosphères explosibles (Directive 94/9/CE)</p> <p>3 Numéro de l'attestation d'examen CE de type LCIE 10 ATEX 3057 X</p> <p>4 Appareil ou système de protection : Moteur triphasé à courant alternatif Type: M3J_225 ..., MKK_225 ..., MAJP_225 ..., M4KP_225 ...</p> <p>5 Demandeur : ABB OY, Motors P.O. Box 633 Strömberg Puistoie SA 05100 VAASA - FINLAND</p> <p>6 Fabricant : ABB OY, Motors P.O. Box 633 Strömberg Puistoie SA 05100 VAASA - FINLAND</p> <p>7 Cet appareil ou système de protection et ses variantes éventuelles acceptées sont décrits dans l'annexe de la présente attestation et dans les documents descriptifs cités en référence.</p> <p>8 Le LCIE, organisme notifié sous la référence 0081 conformément à l'article 9 de la directive 94/9/CE du Parlement européen et du Conseil du 23 mars 1994, certifie que cet appareil ou système de protection est conforme aux exigences essentielles de sécurité et de santé pour la conception et la construction d'appareils et de systèmes de protection destinés à être utilisés en atmosphères explosibles, données dans l'annexe II de la directive. Les résultats des vérifications et essais figurent dans le rapport confidentiel N° 96457-592100-01.</p> <p>9 Le respect des exigences essentielles de sécurité et de santé est assuré par la conformité à : - EN 60079-0 (2009) - EN 60079-31 (2009) - EN 60079-1 (2007) - EN 60079-7 (2007)</p> <p>10 Le signe X lorsqu'il est placé à la suite du numéro de l'attestation, indique que cet appareil ou système de protection est soumis aux conditions spéciales pour une utilisation sûre, mentionnées dans l'annexe de la présente attestation.</p> <p>11 Cette attestation d'examen CE de type concerne uniquement la conception et la construction de l'appareil ou du système de protection spécifié, conformément à l'annexe III de la directive 94/9/CE. Des exigences supplémentaires de la directive sont applicables pour la fabrication et la fourniture de l'appareil ou du système de protection. Ces dernières ne sont pas couvertes par la présente attestation.</p> <p>12 Le marquage de l'appareil ou du système de protection doit comporter les informations détaillées au point 15.</p> <p style="text-align: right;">Fontenay-aux-Roses, le 11 mai 2010</p> <p style="font-size: small;">Seul le texte en français peut engager la responsabilité du LCIE. Ce document ne peut être reproduit ou diffusé sans autorisation écrite. The LCIE's liability applies only on the French text. This document may only be reproduced or disseminated without any change.</p> <p style="font-size: x-small;">LCIE Laboratoire Central des Industries Electriques Espace scientifique de Fontenay-aux-Roses France</p>	<p>1 EC TYPE EXAMINATION CERTIFICATE</p> <p>2 Equipment or protective system intended for use in potentially explosive atmospheres (Directive 94/9/EC)</p> <p>3 EC type examination certificate number LCIE 10 ATEX 3057 X</p> <p>4 Equipment or protective system : Three-phase AC motor Type: M3J_225 ..., MKK_225 ..., MAJP_225 ..., M4KP_225 ...</p> <p>5 Applicant : ABB OY, Motors P.O. Box 633 Strömberg Puistoie SA 05100 VAASA - FINLAND</p> <p>6 Manufacturer : ABB OY, Motors P.O. Box 633 Strömberg Puistoie SA 05100 VAASA - FINLAND</p> <p>7 This equipment or protective system and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.</p> <p>8 LCIE, notified body number 0081 in accordance with article 9 of the Directive 94/9/EC of the European Parliament and the Council of 23 March 1994, certifies that this equipment or protective system has been found to comply with the essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres, given in Annex II to the Directive. The examination and test results are recorded in confidential report N° 96457-592100-01.</p> <p>9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with : - EN 60079-0 (2009) - EN 60079-31 (2009) - EN 60079-1 (2007) - EN 60079-7 (2007)</p> <p>10 If the sign X is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.</p> <p>11 This EC type examination certificate relates only to the design and construction of this specified equipment or protective system in accordance with annex III to the directive 94/9/EC. Further requirements of the directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.</p> <p>12 The marking of the equipment or protective system shall include information as detailed at 15.</p> <p style="text-align: right;">La responsable de certification ATEX ATEX certification manager Marc GILLIAUX</p> <p style="font-size: x-small;">LCIE Espace scientifique de Fontenay-aux-Roses France</p>
---	---

 <p style="font-size: small;">Additional information:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">Dimension Print</td> <td style="width: 33%;">Motor Type: M3KP Z25SM_4-12 B3, B6, B7, B8, V6</td> <td style="width: 33%;">Document No: 3G2P50122-213 A</td> </tr> <tr> <td colspan="3">Description: SQUIRREL CAGE MOTOR WITH TWO AUXILIARY TERMINAL BOXES (CAST IRON) AND CABLE HOLES DIMENSIONED</td> </tr> <tr> <td>Line: ABB Oy, Motors and Generators</td> <td>Issued by: R.Kokko</td> <td>Replaces:</td> </tr> <tr> <td>Date: 01.10.2014</td> <td>Approved by: A.Virt</td> <td>Revised by:</td> </tr> <tr> <td>ABB Oy</td> <td>Customer Reference:</td> <td style="text-align: center;">ABB</td> </tr> </table>	Dimension Print	Motor Type: M3KP Z25SM_4-12 B3, B6, B7, B8, V6	Document No: 3G2P50122-213 A	Description: SQUIRREL CAGE MOTOR WITH TWO AUXILIARY TERMINAL BOXES (CAST IRON) AND CABLE HOLES DIMENSIONED			Line: ABB Oy, Motors and Generators	Issued by: R.Kokko	Replaces:	Date: 01.10.2014	Approved by: A.Virt	Revised by:	ABB Oy	Customer Reference:	ABB	<p style="color: green;">Flameproof motors, Ex de IIB/IIC T4 Gb Totally enclosed squirrel cage three phase low voltage motors, Sizes 80 to 450, 0.55 to 950 kW</p>  <p style="font-size: x-small;">www.abb.com/motors&generators > Motors for explosive atmospheres >> Flameproof motors</p>  <p style="font-size: x-small; text-align: right;">ABB Motors and Generators / LV Motors for explosive atmospheres EN 03-2013 03</p>
Dimension Print	Motor Type: M3KP Z25SM_4-12 B3, B6, B7, B8, V6	Document No: 3G2P50122-213 A														
Description: SQUIRREL CAGE MOTOR WITH TWO AUXILIARY TERMINAL BOXES (CAST IRON) AND CABLE HOLES DIMENSIONED																
Line: ABB Oy, Motors and Generators	Issued by: R.Kokko	Replaces:														
Date: 01.10.2014	Approved by: A.Virt	Revised by:														
ABB Oy	Customer Reference:	ABB														

6.4 Variants and Models (examples)

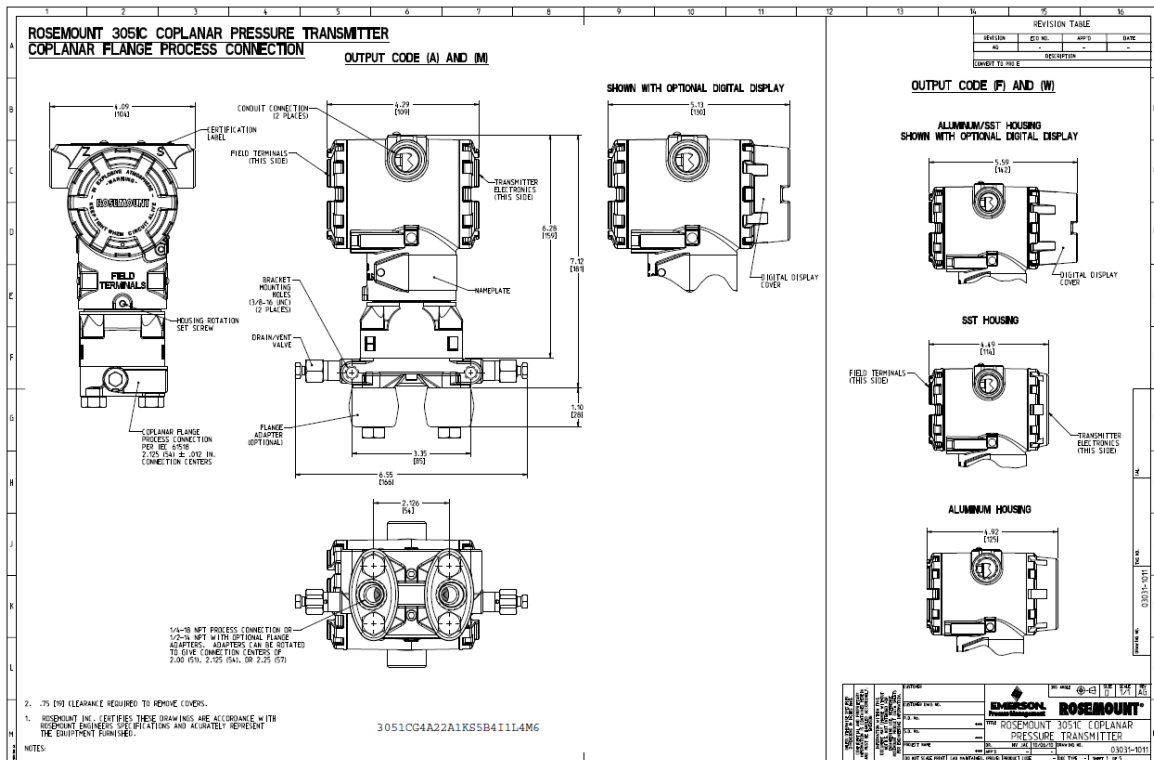
A model or a type often consist of several variants. Normally standard documentation is connected to a model or type level.

6.4.1 Example of Standard Type/Model documentation

<p style="text-align: right; font-size: x-small;">Reference Manual 00809-0100-4001, Rev JA November 2012</p> <p style="text-align: center;">Rosemount 3051 Pressure Transmitter with HART® Protocol</p>  <p style="font-size: x-small;">www.emersonprocess.com/rosemount</p> <p style="text-align: center; font-size: x-small;">EMERSON Process Management</p>	<p style="text-align: right; font-size: x-small;">Product Data Sheet 00813-0100-4001, Rev MA May 2012</p> <p style="text-align: right; font-size: x-small;">Rosemount 3051</p> <p style="text-align: center;">Rosemount 3051 Pressure Transmitter</p> <p style="font-size: x-small;"><i>THE PROVEN INDUSTRY LEADER IN PRESSURE MEASUREMENT</i></p> <ul style="list-style-type: none"> • Best-in-Class performance with 0.04% reference accuracy • Coplanar™ platform enables integrated pressure, flow and level solutions • Power Advisory Diagnostics provide predictive visibility to the health of your entire electrical loop • Local Operator Interface (LOI) offers easy to use configuration capabilities at the transmitter • Selectable HART™ Revision prepares your plant for the latest HART capabilities while ensuring seamless integration with today's systems • SIL2 safety certification to IEC 61508 is available with the full HART offering to simplify compliance • Over 20 years of backwards compatibility allows you to invest in the latest features without adding complexity to your plant  <p style="font-size: x-small;">HART IEC ABB CE WinCC/HART</p> <p style="text-align: center; font-size: x-small;">Contents</p> <p style="font-size: x-small;">Ordering Information</p> <p style="font-size: x-small;">Rosemount 3051C Coplanar Pressure Transmitter page 3 Rosemount 3051T In-Line Pressure Transmitter page 10 Rosemount 3051CF Flowmeter Series page 15 Rosemount 3051L Level Transmitter page 32 Specifications page 38 Product Certifications page 47 Standard 3051 Dimensional Drawings page 53 Enhanced 3051 Dimensional Drawings page 54</p> <p style="font-size: x-small;">ROSEMOUNT www.rosemount.com</p> <p style="text-align: center; font-size: x-small;">EMERSON Process Management</p>
---	--

The standard document for a model or a type normally covers all variants for the model. Type/Model documentation is re-usable across several variants.

6.4.2 Example of Standard variant documentation



The standard document for a variant does only cover the relevant variant. This is a standard document because it follows the variant the next time the variant is used.

6.4.3 Model and variant principles

In the example above the model is from Emerson with the model number 3051.

The model covers several variants such as:

- 3051CG4A22A1KS5B411L4M6
- 3051CD3A03A1KS511M6Q4Q8
- 3051CD4A22A1KM611L4T1P1Q4Q8
- 3051CD3A03A1KS511M6Q4Q8