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Supplier Quality Requirement Manual

PURPOSE

Strive excellence in Quality by driving more Quality Assurance, less Quality Control and more supplier ownership/accountability of quality at the source.
This document is to be shared with Suppliers for their reference.

RANGE OF VALIDITY

This document is applicable for:

- Direct suppliers, all chapters.
- GE Vernova 2 GE Vernova Suppliers, all chapters excluding chapter 2 i.e. supplier approval.

Content

1 INTRODUCTION

1.1 GE Vernova Hydro Power Commitment and Quality Policy

GE VERNOVA

Hydro Power

Quality Policy

At GE Vernova Hydro Power we aim to deliver a world-class customer experience by implementing and following our four key principles:

SQDC Culture

We prioritize Safety and Quality over Delivery and Cost. We Start Work only when safe and when Quality Assurance/Quality Control measures are in place, and we Stop Work when it is not.

Zero Defect Mindset

We protect our customers by building a zero-defect culture that provides tenders, projects and services Right First time, Every time.

Continuous Improvement

We create a team that accepts the failures and utilizes the lessons learned to strengthen our tenders, projects and services. We share best practices, and continuously improve our processes and our management system towards an efficient business.

Lean & Standard Work

We deliver with focus, using standard work and lean for quality. We comply with all applicable requirements. We succeed by learning and working together as One Team.

Frederic Ribieras

Hydro Power CEO

Jean-Michel Milles

Vice President Engineering & Quality

March 2025

1.2 Scope & Objective

The purpose of this manual is to inform GE Vernova Hydro Power's Suppliers about our core requirements regarding Suppliers' quality management systems, design requirements, quality planning, manufacturing process controls and services required for doing business with GE Vernova Hydro Power.

This manual provides the overall quality requirements for all external Suppliers (and their Sub-Suppliers where required by contract) providing direct material, products, processing, and services to GE Vernova Hydro Power. It is structured in accordance with our 3 main processes:

- Compliance: Panel entrance and management to qualify Supplier
- Execution: quality assurance and quality control expectation
- Monitoring & Improvement: Supplier monitoring and performance improvement

The general requirements outlined herein do not supersede any conflicting requirements contained in:

- the contract or the Purchase Order
- drawings, including applicable engineering and process specifications
- or any other applicable long-term agreement(s).

1.3 ACRONYM /DEFINITION

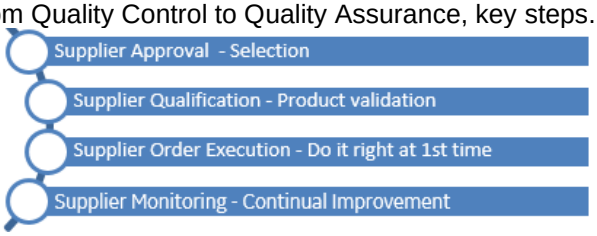
Abbreviations/Termes	Definitions
5W	Who, What, When, Where, Why
8D	8 Disciplines - An Eight Step Problem Solving Method and Report is a method used to approach and to re-solve problems. It consists of eight phases: 1. Define the team 2. Describe the problem 3. Implement and verify interim (containment) actions 4. Define and verify root causes 5. Define and verify corrective actions 6. Implement Permanent Corrective Actions 7. Prevent recurrence 8. Recognize the team and share lessons learnt
Audit	A planned and documented activity performed to obtain and evaluate objective evidence, to determine the extent to which audit criteria are fulfilled.
C&C	Construction & Commissioning
CC	Component Conformance
CI	Continual Improvement: Continual improvement includes continuous improvement, as well as discontinu-ous/innovative improvement (such as break-through projects introducing more major change). It is a recurring activity to increase the ability to fulfil requirements.
COF	Cost of Failure
Conformance Certificate	Document that certifies that before shipment the supplied good meets the required specifications and complies with the regulation
Containment:	Actions taken to minimize the risk to GE Vernova Hydro Power, or its customers associated with a noncon-formance. Containment actions can be focused on the product in which the nonconformance was detected as well as focused on related products or product families in which the nonconformance may occur.
Control Instruction:	Work instructions for dimensional measurement & Non-Destructive Tests
COQ	Cost of Quality
Correction	Action to eliminate a detected nonconformance, defect, or another undesirable situation.
Corrective Action	Action taken to eliminate the cause(s) of an existing nonconformance, defect, or other undesirable situation to pre- vent recurrence.
CP	A Control Plan is a written description of the manufacturing system for controlling parts and processes. A single Control Plan may apply to a group or family of products that are produced by the same process at the same source. The Control Plan describes the actions that are required at each phase of the manufacturing process with the objective of ensuring that all process outputs are under control. The Control Plan provides the process monitoring and control methods that will be used to control characteristics.
CTQ	Critical to Quality: The term CTQ refers to the measurable product, service and/or transactional characteristics that significantly influence one or more CTS in terms of Quality. CTQs, once identified, can be broken down and cascaded to various levels of the product breakdown structure.
Data book	As built quality data book that compiles all Certificates and Quality Record (Document that justifies conform-ity of the control)
DUNS or D-U-N-S	Data Universal Numbering System: is a proprietary system developed and regulated by Dun & Bradstreet (D&B) that assigns a unique numeric identifier, referred to as a "DUNS number" to a single business entity. It was introduced in 1963 to support D&B's credit reporting practice.
EMEA	Europe Middle East Africa
Escaping Defect	all non-conformities detected after dispatch from supplier
FAT	Final Acceptance Test

FMEA	Failure Modes and Effects Analysis: An analytical method of preventive quality assurance. Used to identify and evaluate potential risks (or defects) and initiate suitable actions to minimize those risks. Types of FMEAs include: • Design FMEA • Process FMEA
FOE	Feed Back of Experience
FPQ	First Piece Qualification.
Gage R&R	Repeatability and Reproducibility: a statistical tool used to measure the amount of variation in the measurement system arising from the measurement device and the people taking the measurement.
GE2G	Internal trade between GE businesses
Inspection Hold Point (HP)	The Manufacturer shall notify GE Vernova Hydro Power 15 calendar days the inspection hold point is reached. The Manufacturer is not allowed to continue the production of the product without GE Renewable Energy - Hydro's approval. The inspection hold points are planned per the MPP-CP in every step of the process to detect problems prior the manufacturing phase
Inspection Witness Point (WP)	The Manufacturer shall notify GE Vernova Hydro Power 7 calendar days before the inspection witness point is reached. The Manufacturer can continue the production of the product without GE Renewable Energy - Hydro's approval. The inspection witness points are planned per the MPP-CP in every step of the process to prevent issues prior the manufacturing phase.
IS	Improvement Suggestion: are how Suppliers suggest improvements to quality, reduce cost and/or delay.
ITO	Inquiry-to-Order Process: at GE Renewable Energy provides a standard and consistent process for developing commercial opportunities. GE Renewable Energy follows a risk review process to balance customer requirements with GE capabilities and the ability to manage any identified risk.
ITP	Inspection and Test Plan (to customer) Inspection and Test Plan: Document that describes what, by who, when and how something is inspected or tested on-site or off-site.
Late detection	all non-conformities detected after shipment from Supplier factory
LTA	Latin America
MPP	Manufacturing Process Plan: a detailed, systematic list of operations and requirements by which components or services are manufactured.
MSA	Measurement System Analysis: is an experimental and mathematical method of determining how much the variation within the measurement process contributes to overall process variability. There are five parameters to investigate in an MSA: bias, linearity, stability, repeatability, and reproducibility
MTA	Master Tracking Application
NAM	North America
NC	Non-conformity
NCR	Non-Conformity Report: Record of non-conformity
NDT	Non-Destructive Testing: Analysis techniques used to evaluate properties of material, component or system without causing damage. Typical methods would include ultrasonic, magnetic-particle, liquid penetrant, radiography, eddy-current testing, etc.
NPI	New Product Introduction: process spans the entire product development cycle from the identification of a new business opportunity to the post commercial introduction of the new product.
OTD	On-Time Delivery: Delivery of product or service within a specified window of time
OTR	Order-to-Remittance Process: process covers the execution of a sales contract from the time that the order is initiated to the time that final payment is received.
PO	Purchase Order
PQP	Product Quality Plan: A detailed, systematic list of operations and requirements in which a Supplier identifies a process of how, what, why, when and who will perform tests or inspections and the applicable acceptance criteria. This may also be referred to as an Inspection and Test Plan (I.T.P.).
Preventive Action	Action taken to eliminate the cause(s) of a potential non-conformance or undesirable potential situation to prevent occurrence.
Purchaser	The GE Vernova Hydro Power business, or its business associate.
QA	Quality Assurance
QC	Quality Control
QCD	Quality Cost Delivery Review done with the Supplier
QDB	Quality Data Book
QMS	Quality Management System: Collection of business processes focused on achieving a Quality policy and Quality objectives.
Qualification Package:	All required documentation for qualification.

RCA	Root Cause Analysis: a method of problem solving that tries to identify the root causes of faults or problems. A root cause is a cause that once removed from the problem fault sequence prevents the final undesirable event from recurring.
Repair	Action performed on a product to rectify the nonconformance so that the product meets requirements for its intended purpose (meets functional or appearance requirements). Repair includes remedial action taken on a previously conforming product to restore it for use, for example as part of maintenance. Unlike rework, repair can affect or change parts of the nonconforming product. Repairs are not permitted without written approval from GE. See also “Replace”, “Rework”, “Scrap”
Replace	Action performed to replace a product with a new product which meets all requirements. See also “Repair”, “Rework”, “Scrap” • Rework: Action on a nonconforming product to make it conform to the requirements. Unlike rework, repair can affect or change parts of the nonconforming product. See also “Repair”, “Replace”, “Scrap”
Request for Design Change	A document submitted by the Supplier to request GE Vernova Hydro Power Engineering’s approval prior to implementing a change in design for the Supplier or its sub tier Supplier.
Request for Quotation	Request for Quotation
Responsible Engineer	GE Vernova Hydro Power Engineering representative who is responsible for participating and approving within the qualification process, and/ or for reviewing all nonconforming issues for Engineering design approval, and coordinates disposition with the SQE for return response to the Supplier. For the purposes of this document the Responsible Engineer applies to the Design Engineer, Materials Engineer, Welding Engineer, Repair Engineer, or other Engineering representative assigned to the review of the nonconformance, document change or qualification. Any communication with the Responsible Engineer must be done with the knowledge of the SQE.
RPLM	Renewable Product Lifecycle Management: is the GE Renewable's tool where Part, BOM and Specifications (Drawing, 3D Model, and other technical specification) are managed. Its module called “SDX” is used to share documents with Suppliers.
Scrap	A disposition for nonconforming product that is not useable for its intended purpose and that cannot be economically reworked or repaired in an acceptable manner.
SCx	Supplier connect is supplier approval/onboarding tool.
SDR	Supplier Deviation Request: A request initiated by the Supplier to deviate from purchase order technical requirements (drawings, specifications, engineering instructions, etc.) or the approved qualification package.
SEQ	Supplier Eligibility Questionnaire: A Questionnaire covering basic questions about Suppliers and required for an initial evaluation of the Supplier.
Sourcing Representative	GE Vernova Hydro Power representative who negotiates price, delivery, terms, and conditions, and places the purchase order for qualification and production. The Sourcing Representative is also the official contact between the Supplier and GE Vernova Hydro Power.
SPC	Statistical Process Control: the application of statistical methods (usually control charts) to analyze and control the variation of a process.
Special Process	A process by which results cannot be fully verified through subsequent nondestructive inspection and testing of the product and where processing deficiencies may become apparent only after the product is in use. Additionally, processes that require operators of that process to be qualified and certified to be able to conduct the process and meet technical regulations and standards are considered special processes.
SQE	Supplier Quality Engineer: GE Vernova Hydro representative who communicates the qualification and production quality requirements and is the key interface with the Supplier relative to qualifications, process improvements, non-conforming material dispositions, corrective actions, and surveillance auditing. For the purposes of this document, the roles, and responsibilities of the SQE shall apply to the Product Quality Engineer (PQE), Quality Process Engineer (QPE) or other business equivalent Global Supply Chain Management (GSCM) representative.
SQRM	Supplier Quality Requirement Manual
SRG	Supplier Responsibility Guidelines
Supplier (Internal)	Any GE Vernova Hydro Power manufacturing facility
Supplier:	Unless noted otherwise, refers to the corporation, company, partnership, sole proprietorship or individual with whom GE Vernova Hydro Power places a Purchase Order
Suppliers (External)	Entities outside of GE Vernova Hydro Power who provide goods or services to GE Vernova Hydro Power
T&C	Terms and conditions+A60B26B70B1:C76
TRS	Technical Regulations and Standards
USMCA	United States-Mexico-Canada Agreement
VBB	Vendor Bill Back
Verification	Confirmation, through the provision of objective evidence, that specified requirements have been fulfilled.

1.4 Workflow

Moving from Quality Control to Quality Assurance, key steps.



1.5 Supplier classification level

GE Vernova Hydro Power products are classified per their level of criticality and risk. Supplier classification follows product classification. The levels of criticality relating to GE's expectations and the requirements defined in the current manual are as follows:

Type	Description
A	High Critical product and / or High-Risk product
B	Medium Critical product and / or Medium Risk product
C	Non-Critical and / or Low Risk product
G	Catalog products
R	Repaired & Refurbished product
L	Laboratory, Control & Test
S	Service provider / Contractor & Logistic Service Provider (LSP)

Type A: Metallurgical or chemically intense processes or products with significant potential impact on the safe operation, performance or reliability of the machine or system.
Examples: castings, forgings, complex welded structures, metallic raw material, and safety bolting, etc.

Type B: Moderately complex components or assemblies which have no or limited special processes. These components may be designed by GE Vernova Hydro Power as per detail drawings or designed by the Supplier to a GE Vernova Hydro Power functional specification. Simple assemblies or components with limited machining and some standard measuring devices.
Examples: simple welded structures & machined components, mechanicals system, electrical & mechanicals components.

Type C: Less complex components or Controlled parts with negligible impact on safe operation, performance or reliability or components controlled on the industry level. Simple assemblies or components with limited machining and some standard measuring devices.

Type G: Components which are all other general items which do not require a Type A, B, or C Qualification and require no qualification activity. These are simple components with limited impact on the overall operation of the GE final assemblies, and where the overall cost for GE Vernova Hydro Power to qualify the part is deemed greater than the overall impact risk of failure of the part, or the overall value of the part. Examples include components available to other companies to purchase (i.e. "off the shelf") which require little or no customization to meet GE Vernova Hydro Power' drawing or specification requirements, Supplier catalog items, simple machine parts, standard measuring devices and parts and materials.

Type R: Components Repaired & Refurbished for Service and Refurbishments projects.

Type L: Laboratory, Control & Test Supplier.
Examples: water analysis, air emission analysis, mechanicals tests, NDT control, etc.

Type S: Service provider / contractor working at GE factory or GE Suppliers or Site activity, for manufacturing & control operations, and Logistic Service Providers (LSP).
Examples: quality control & surveillance, welding, machining, lifting, assembly, coating, transports, warehouse, packaging, etc.

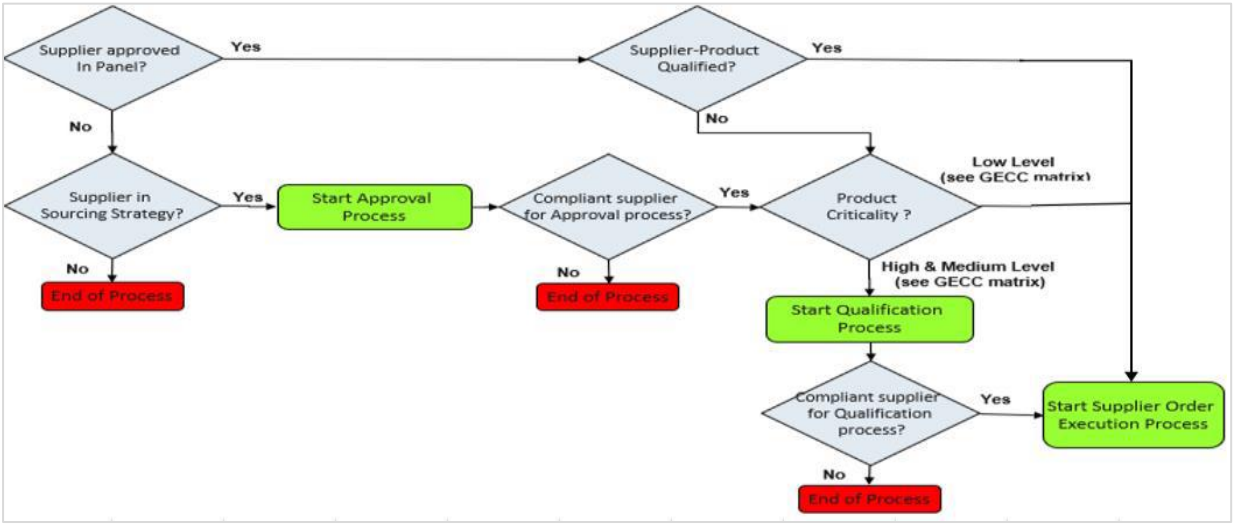
Note: refer HG-LS-2-G-P-003 to see that which component belongs to which class i.e. A, B, C etc. Link to get these documents https://supplierportal.ren.apps.ge.com/ge-confidential-documents, check under heading "Hydro Documents"
Note:
GECC list and criticality class are valid for all Hydro segments including Service Projects-, as per HG-LS-2-G-P-003
However, Technical and GECC Qualification checklist may vary for new and refurbish/repair components, as the capabilities needed and assessed at suppliers are different.
Therefore, if a supplier is only qualified for one specific checklist such as new OR refurb/repair, it shall be clearly mentioned in qualification status such as "Qualified only for Repair"

All downstream processes dependent on Qualification Status shall consider the specific restricted scope for which the supplier has been qualified, i.e. No PO for new bearing parts to a supplier only qualified for a refurbishment of bearings.

1.6 Supplier's Responsibility and Acceptance

- The Supplier is fully responsible for the fulfilment of all contractual obligations and for the deployment of this manual and its Appendices. The Supplier should ensure that the products and services they will deliver meet all the GE Vernova Hydro Power's technical and quality requirements implying control and record all requirements as stated under ISO 9000 certification. We expect our Suppliers to demonstrate a proactive Quality and continuous improvement mindset, reactivity for issues eradication, root causes identification and mitigation, and partnership behaviour.
- All design, material and process change requested by the Suppliers and/or tier-2 Suppliers shall be identified, documented, and communicated formally by the Supplier through Quality Suite Supplier Deviation Request, and must be formally approved by GE Vernova Hydro Power before their implementation.
- GE Vernova Hydro Power requires its Suppliers to strictly comply with all applicable legal requirements related to their activities and business environment.

2 SUPPLIER APPROVAL



Flow chart for supplier approval and qualification.

2.1 Supplier Approval - Minimum Mandatory Requirement

The Supplier approval process is performed prior to a purchase order being issued to the Supplier. When the approval process has been successfully completed per the criticality level, a Supplier is registered within the GE Supplier management system with the proper approval status.
Supplier approval done through Supplier Connect Scx.

Approval Documents vs. criticality level	A	B	C	G	L	S
GE T&C**** (Includes Integrity guidelines)	YES	YES	YES	YES	YES	YES
Supplier Eligibility Questionnaire (SEQ) for Critical Suppliers [HG-MB-1-G-T-076]	YES	YES	NO	NO	NO	No
Supplier Eligibility Questionnaire (SEQ) for non-Critical Suppliers [HG-MB-1-G-T-007]	NO	NO	YES	NO	YES	YES
Logistics EHS Pre-Screen Questionnaire/ Online EHS survey	NO	NO	NO	NO	NO	Only for transporter
ISO 9001 certification or equivalent as described in 2.2	YES	YES	NO	NO	NO	NO
ISO 17025 certification	NO	NO	NO	NO	YES	NO
Supplier Requirements Guideline (SRG) Refer SRG guideline for applicability	YES	YES	YES	YES**** *	NO	NO
Financial viability (FHR)**	YES	YES	YES	YES	YES	YES
Mutual Non-Disclosure Agreement (MNDA)	YES	YES	Yes	Yes	YES	YES
Comply Works	NO	NO	NO	NO	NO	YES***

** Applicable if spend > 1MUSD annually
*** Applicable when contractors work at GE factory/site
Note: for US Gov. projects: Suppliers should be member of a government operated supply chain security certification program (CTPAT/Canada PIP/AEO/etc) (Not applicable for T&L suppliers.)

**** For annual estimates spend less than 20 KUSD lighter version of GE T&C need to be used, for annual estimated spend more than 20 KUSD standard version of GE T&C need to be used.

Link for GE T&C: Sourcing Suppliers Policy | GE Vernova | The energy to change the world
Supplier integrity guide Sourcing Suppliers Policy | GE Vernova | The energy to change the world
link for MNDA: Sites | Confidential & Proprietary
Link for HMS document like SEQ : Link
Link for SRG: Supplier Responsibility Governance (SRG)

2.2 Quality Management System

The Supplier must maintain a documented quality management to meets the requirements of the current ISO 9001, this can be demonstrated by:
Providing a copy of recent valid QMS certification; or
Successful completion of a quality management systems audit to the current requirements of ISO 9001. GE Vernova Hydro Power reserves the right to require this audit to be conducted by GE internal auditor or a third-party service designated by GE Vernova Hydro Power.

2.3 Management of sub tier Supplier

Where specified by contract, the Supplier shall purchase products, materials, or services from Ge Vernova Hydro Power-designated sources. However, the Supplier is fully responsible for:

- Qualifying and implementing monitoring of all Sub-Suppliers per GE Vernova Hydro Power requirements and notifying GE Vernova Hydro Power of their qualification status when required
- The flow-down of all contractual and applicable technical and quality requirements
- Ensuring that items procured from such sources meet all applicable technical and quality requirements.

GE Vernova Hydro Power reserves the right to:

- review the Supplier's processes for selection, qualification, and monitoring of Sub-Suppliers
- approve, or disapprove, Sub-Suppliers
- audit and monitor the Sub-Suppliers' processes and facilities when deemed necessary.

2.4 Supplier Responsibility Guidelines (SRG)

For more detail refer to SRG Supplier Responsibility Governance – Brochure.
"Supplier Responsibility Governance" (SRG) which require GE Vernova Hydro Power to do business only with Suppliers which comply with local laws and other GE Vernova Hydro Power standards that may apply in the areas of employment, human rights, environment, health, and safety.
When is the formal SRG on-Site audit required?
SRG on-site audit completion is mandatory if any one of the following criteria is met:

- First-tier Supplier manufacturing parts for Ge Vernova Hydro Power (direct material) has the production site(s) located in a category 1 country (SRG mandatory geographic coverage).
- GE or affiliate trademark is affixed to the product being supplied - (e.g. Suppliers providing GE name plate are audited due to brand exposure)
- The Supplier is not located in a mandatory country, but business requested audit applicability due to other reputational risks impacting GE jobs/customers.
- Supplier must be a manufacturer with defined manufacturing facility/factory.

	Category I	Category II	Discretionary	Restricted
Latin America & Caribbean	All countries, except Bermuda and Cuba		Bermuda	Cuba
Europe	All Central Eastern European countries except Hungary, CZ	Poland, Slovenia Slovakia	Hungary, Czech Republic, all Western European countries	*None*
Africa	All countries		*None*	Sudan
Middle East	All countries		*Israel*	Syrian , Iran
Asia	All countries, except the ones listed in the discretionary and restricted columns		Australia, Zew Zealand, Japan, Hong Kong	North Korea
Antartica	Antarctica; Bouvet Island, French Southern Territories; Heard & McDonald Islands		*None*	*None*

Hydro specific SRG rules:
For all new supplier onboarding SRG is mandatory as per the defined rules in SRG corporate guidelines.

- For new supplier onboarding having estimated annual spend less than 10 KUSD audit is mandatory, but auditor can make the decision of supplier approval even if some findings are open, in this case supplier is having the responsibility to close all the findings within 60 days from the audit.
- For new suppliers having estimated annual spend more than 10 KUSD, audit and closure of all findings are mandatory before approval of supplier.
- For already approved supplier, audit frequency can be 3 year if annual spent is below 100 KUSD, for other suppliers audit frequency should be every year.

SRG Audit is also required for sub-tier Suppliers if located in a high-risk country and meet one of the following criteria:

- >50% of output is purchased indirectly by GE Vernova Hydro Power through the first tier Supplier
- Sub-tier work is related to transfer of work from a GE Vernova Hydro Power location (e.g. stripping operation carried out before at GE Vernova Hydro Power shop is totally outsourced to a sub tier Supplier)
- GE Vernova Hydro Power directed the first-tier Supplier to use a specific sub-tier Supplier
- GE Vernova Hydro Power or affiliate trademark is affixed to sub-tier Supplier product - (e.g. Supplier providing GE Vernova Hydro Power promotional material should be audited due to brand exposure).

2.5 Documents linked to supplier approval process

- HG-MB-1-G-T-076: Supplier Eligibility Questionnaire (SEQ) for Critical Suppliers
- HG-MB-1-G-T-007: Supplier eligibility Questionnaire (SEQ) for non-Critical Suppliers
- Logistics EHS Pre-Screen Questionnaire
- SRG Supplier Responsibility Governance – Brochure.

3 SUPPLIER QUALIFICATION

3.1 GECC Qualification (Technical Qualification)

When approved, the Supplier must be qualified for a specific GECC before PO placement. Through the qualification process, the Supplier demonstrates the ability to provide high quality parts in accordance with requirements and expectations of the GE Vernova Hydro Power business purchasing the material. Qualification requirements are defined and documented by a GE Vernova Hydro Power qualification team.

Qualification is required in, but not limited to, the following cases:

1) A new or existing Supplier is manufacturing production material for the first time for GE Vernova Hydro Power.
2) A design or process change has occurred at the Supplier or at GE Vernova Hydro Power, changing the processing, form, or function of the product.
3) An existing supplier or critical sub-tier Supplier changes its manufacturing location.
4) Note: reassessment of supplier approval will also be required when a manufacturing location is changed.
5) Quality issues arise at the supplier, putting current qualifications into question.
6) As required by GE Vernova Hydro Power or with some decided frequency.

Qualification requirements vs. criticality level	A	B	C	G	L	S
Product/ GECC qualification.	YES	YES	YES*	NO	NO	YES*

*Optional (only if required by contract/project)
Note: GECC Qualification (Technical Qualification) need to be done as per the process defined in HG-MB-1-G-I-005

Special process qualification is part of GECC qualification (technical qualification) where special process is applicable in manufacturing of part at supplier.

Suppliers who perform special processes shall flow-down the following requirements to their sub-supplier sources and ensure due compliance with them.
Suppliers shall:

- have specific, documented and controlled procedures for each Special Process performed and demonstrate conformity to GE Vernova Hydro Power requirements for capability
- include methods for monitoring and control of Special Processes and initiate the specified reaction plan when:
- the plans shall be reviewed with and approved by GE Vernova Hydro Power when requested.

- ensure only qualified personnel can execute Special Processes. The Supplier must maintain a list of qualified personnel by Special Process, records of training and certification status. Qualified personnel must maintain their certifications as required by the Supplier or governing body for certification.

Special processes list:

- All forms of Non-Destructive Testing/Examination (NDT/NDE)
- Babbitting of Bearings
- Brazing
- Coatings:
  - Painting
  - Thermal spraying (metallization, plasma spray, HVOF)
  - Electroplating
  - Electroless Nickel
  - Zinc flake
- Die casting
- Forging and hot forming
- Heat treatment
- Laser Drilling, Cutting and Marking
- Melting and raw material production
- Sand casting & Shot blasting
- Surface preparation:
  - Washing/Degreasing
  - Grit blasting
- Surface treatment:
  - Passivation
    - Phosphatizing
  - Welding

3.2 Technical Regulations and Standards (TRS) Compliance Process

Supplier compliance assessment and management is a collaborative effort between Supplier and Ge Vernova Hydro Power.
The Supplier shall establish a process to understand the TRS requirements defined in the GE Vernova Hydro Power documents/specification received at the time of RFQ (request for quotation), supplier must analyse and provide the gaps with respect to defined TRS requirements in GE Vernova Hydro Power documents and specifications.

Note: Where a Supplier is providing a component, equipment or service which may impact overall product safety, or presents a significant risk to legally required certifications, GE Vernova Hydro Power should require the submission of a Supplier TRS Compliance Plan.

Supplier compliance shall be verified by establishing tollgates or checks in existing processes or mechanisms for TRS deliverables and documentation shall be collected, reviewed, and controlled as required by the applicable TRS. This shall apply for all transactions, including, but not limited to, incoming factory supply and material shipped direct to site or to an intermediate warehouse.

Where Suppliers have not demonstrated compliance, and have significant TRS risk, GE Vernova Hydro Power shall ensure that products and services are compliant before shipment or delivery by use of Shipment Compliance Hold Process. GE Vernova Hydro Power Sourcing uses this process to ensure Supplier compliance with the applicable regulations and standards defined by GE Vernova Hydro Power specifications and purchase orders before taking delivery of products from Suppliers. Engineering specifies Supplier compliance requirements.
The general TRS requirements are stipulated in Supply Agreements and Terms of Purchase. Specific TRS requirements (directives, norms, standards, applicable rules, and practices) are addressed to the Supplier with the RFQ and Purchase Order package and specifications.

4 SUPPLIER ORDER EXECUTION

Supplier order execution plays a critical role in making our business successful. Without an efficient and accurate process for execution resources are wasted and unnecessary mistakes become common.

4.1 Supplier order execution: Minimum mandatory requirements

Requirements	A	B	C	G	L	S
Technical Review***	Yes	Yes	No	No	No	Yes**
Production plan in SUMO	Yes	Yes	No	No	No	No
Manufacturing process plan(MPP)	Yes	Yes	Yes*	No	No	Yes**
KoM***	Yes	Yes	No	No	No	Yes**
Inspection & Test Requirements and Management	Yes	Yes	Yes	Yes	No	Yes**
Supplier Deviation Request (SDR) and Escape defect	Yes	Yes	Yes	Yes	Yes	No
RCA & CAPA	Yes	Yes	Yes	Yes	Yes	Yes
Penalties (VBB)	Yes	Yes	Yes	Yes	Yes	Yes
Data Book	Yes	Yes	Yes	Yes	No	Yes**

* Not mandatory- GE Vernova Hydro Power will assess the risk to require or not.
** C&C Construction & Commissioning contractors only (if applicable and required)
*** TR/KOM applicability in detail can be checked in GECC document HG-LS-2-G-P-003

PPAP Matrix

PPAP Matrix		Supplier Category: B2S		Supplier Category: B2P	
		mass/multiple batch >30	one-off< 30	mass/multiple batch>30	one-off<30
Sr. No.	Element	Applicability			
1	Design Records	X	X	X	X
2	Authorized Engineering Change Documents	X	X	X	X
3	Customer Engineering Approval	X	X	X	X
4	DFMEA	X	X		
5	PFD	X	X	X	X
6	PFMEA	X	X	X	X
7	Control Plan	X	X	X	X
8	MSA Studies	X		X	
9	Dimensional Results/ First Article Inspection Report	X	X	X	X
10	Performance Test Results	X	X		
11	Material Test Results	X	X	X	X
12	Initial Process Studies/SPC	X		X	
13	Qualified Laboratory Documentation	X	X	X	X
14	Checking Aids	X	X	X	X
15	Part Submission Warrant	X	X	X	X

There will be phase deployment of the yellow highlighted elements of PPAP/APQP requirements, these elements not mandatory till the time supplier not covered under the APQP program driven by GE Vernova Hydro Power.

Quality Package Template (MPP / Control Plan / PFMEA / Controls Instruction / Q-Records) can be found in reference document section.

4.2 Purchase Order preparation

During the RFQ period, before accepting the Purchase Order, the Supplier shall perform a project/production risk analysis to assure its engineering/production capabilities and capacity will satisfy the GE Vernova Hydro Power Purchase Order.

4.3 TECHNICAL REVIEW MEETING (Detailed Drawing, Manufacturing and Producibility Review)

Prior to PO at the stage of technical review the supplier may be required to participate in a detailed drawing/specification review with the GE Vernova Hydro Power Qualification Team to ensure the Suppliers' thorough understanding of drawing requirements and specifications during the qualification process. For Supplier Designed, non-Build-to-Print (Functional Spec/Sourcing Controlled) type A, B items, the Supplier may be required to participate in an Engineering Capabilities Assessment/TBE and Supplier Design Reviews with the GE Vernova Hydro Power Qualification Team.

After PO detailed MPP/CP and other documents shall be reviewed at kick off meeting prior to start of manufacturing.
Note: After purchase order (PO) placed, supplier must provide a detailed timing plan including all relevant steps (MPP/PFD/CP documents, Special Process/CTQ Instructions, GE Vernova Hydro Power Inspection Calls/Customer Witness Points, etc..) to be reviewed and approved at kick off meeting.

4.4 Manufacturing Process Plan (MPP/PFD)

Manufacturing Process Plan (MPP) - A detailed, systematic sequence of operations and requirements by which components or services are being manufactured.
A Manufacturing Process Plan or Manufacturing Scheme is used to provide a visual representation of the process steps that a product or service follows. They are graphical displays that help create a common understanding of a process and are used as follows:

- To compare the "as is" process against the "should be",
- To assess the complexity level of the process,
- To identify non-value-added operations, possible simplification, and standardization opportunities,
- Depicts where defects do or may occur,
- To define data collection points, etc.….

MPP is a record of where actions are taken, decisions are made, inspections are performed, and approvals are required. It may often be the first accurate and complete picture of the process from beginning to end.
The provision of the Manufacturing Process Plan is the responsibility of the manufacturer. It will be reviewed by a GE Vernova Hydro Power Quality representative during the technical review to ensure that GE Vernova Hydro Power Quality and Customer requirements are considered.
The Manufacturing Process Plan is part of the Supplier qualification requirements and is a contractual document of the purchase order. For any changes in the MPP, GE Vernova Hydro Power must be notified via the Deviation Request process which will then follow the appropriate change management process.

How to create an MPP:
1. Determine the limits of the process to map. Clearly define where the process begins and ends; Agree on the level of detail to show in the process map.
2. Determine the steps in the process. In a brainstorm session, list major activities, inputs, outputs, and decisions.
3. Identify the sequence of the steps. Draw the steps in the same order as they are carried out without any arrows; Define what "is" and not what "should be".
4. Draw the MPP using the standard symbols. Label each process step using words which are understandable by everyone; Add arrows to show the direction in which the process flows; Identify the process map with its name, date, and names of the team members.
5. Test the MPP to ensure that it is complete. Are the symbols used correctly? Are the process steps clearly identified? Is every feedback loop closed? Does every continuation point have a corresponding point elsewhere in the process map?
6. Finalize the MPP. Is this process being run the way it should be? Are people/departments following the process as mapped?

Note: For welded structure MPP standard template need to be used by the supplier and provide to SQE for approval, HG-MB-1-G-I-005_FORM35 - MPP template for welded structure.

4.5 Product and Process Risk Assessment (FMEA)

Supplier must perform a risk assessment of its product manufacturing process through Failure Modes & Effects Analysis (FMEA) approach.
Proper risk mitigation needs to be done through FMEA approach, supplier should keep the FMEA a live document.

4.6 Control Plan (CP)

Quality Control Plan is a critically important document for any business.
It is a description of the activities, tools, and procedures needed to control a process that delivers a service or product.
Its overall objective is to minimize and control the variation in process or product.

A QC Plan documents how process and product characteristics and features are to be managed and controlled throughout the production process. During production, the plan also provides the monitoring and control methods that are used to control the features and characteristics of the product or process.

The Control Plan is the responsibility of the manufacturer who must provide it for review by a GE Vernova Hydro Power Quality representative during technical review to ensure that all GE Vernova Hydro Power Quality and Customer requirements are considered. Quality Control Plans are living documents and must be revised as changes in the design, process

or performance level occurs. For any changes in the Control Plan, GE Vernova Hydro Power must be notified via the Deviation Request process which will then follow the appropriate change management process.

4.7 Critical-to-Quality (CTQ) and MI

Suppliers must take special care of CTQ defined on the GE Vernova Hydro Power drawings and must use defined and linked measurement instructions for verifying these CTQs, measurement on CTQs must be identified in final inspection report.

4.8 First Piece Qualification (FPQ), applicable only for >30 same products.

First Piece Qualification is to ensure the conformity of the process to manufacture a new part or series of parts/batch (30 or more) with acceptable quality by closely monitoring the 1st piece produced and by applying the same process for the remaining products.

4.9 Q-Record / Protocol requirement

The quality records are templates that the Supplier can used to follow tests realized internally. The templates reflect the mandatory information that GE Vernova Hydro Power expects to see in quality records.
The purpose of these templates is to support the Supplier in the elaboration of his quality records.
The mandatory information for Quality Approval lists all the required information that should appear in the quality records for validation.

4.10 Kick-Off Meeting (KOM)

The objective of the KOM is to ensure a proper understanding of GE Vernova Hydro Power requirements by the Supplier, scope of work, identification and mitigation of risks and confirmation of detailed planning, documents to be delivered and final delivery date. GE Vernova Hydro Power will plan the kick off meetings which shall take place after the Business Award, but no later than after start of Manufacturing. Prior to the kick off meeting, the Supplier must analyse GE Vernova Hydro Power 's requirements and the documents provided with the purchase order. The Supplier must also prepare his questions on the scope of work, technical requirements, and the detailed production planning to be validated during the meeting with GE Vernova Hydro Power representatives.

The agenda shall include the review of open points from the Supplier Development action plan.

Main relevant topics to be covered, when applicable, during the Kick-off Meeting:

- Commercial/ Communication/ Transmission of Documentation
- Engineering and technical aspects (Drawing, specifications, Communication matrix)
- Manufacturing, inspection, and shipping Schedule
- Final MPP, CP, CTQ, MI and FMEA as per defined requirements.
- Subcontracting
- Supplier Quality Management System & Critical to Quality
- Environment, Health & Safety
- Packaging & Handling
- Supplier Deviation Request
- Feedback of Experience (FoE) issues linked to Quality Package.

All aspects of the Purchase Order (timing, technical, Quality, etc.) shall be aligned between Supplier & GE Vernova Hydro Power during this meeting.

4.11 Planning Management

Production schedules follow up: Supplier need to create the production planning in the SUMO and update it on monthly bases including actual job photos attached in the tool itself.
Progress report: The Supplier shall update the schedule in SUMO twice a month.
In case of the Supplier's failure to update the schedule in SUMO, the Buyer/PS may require the help of a third-party to track.
the progress, in which event all related costs and expenses shall be for the Supplier's account.
Note: Components which are not tracked through SUMO in such cases delivery schedule need to manage through NEO.

4.12 Surveillance

Along project execution at Supplier, GE Vernova Hydro Power Quality representative shall conduct Surveillance audit when it is relevant to ensure product conformity. This frequency is defined by the GE VERNOVA HYDRO POWER Supplier Quality Engineer (SQE) and is linked to Supplier maturity. Those surveillance audit shall consist of:

- Reviewing MPP/CP

- Reviewing Manufacturing Process
- Reviewing Production Progress
- Performing Inspection of current manufacturing steps
- Reviewing Documentation

In case of deviation, finding and/or non-conformity will be opened with obligation to correct the situation with the proper corrective plan in less than 30 days.

4.13 Inspection & Test Requirements (Manage through MTA)

GE Vernova Hydro Power and/or its customer may elect to inspect parts, and/or witness subassemblies at the Supplier's facility during processing, testing, or at final inspection. All source inspection and test witness requirements are to be identified and coordinated through the GE Vernova Hydro Power SQE, Quality Assurance, quality representative or another designated representative.
It will be the responsibility of the Supplier to notify GE Vernova Hydro Power in advance, when material will be ready for inspection. The timing of this advance notification will be at minimum 15 days (unless otherwise approved by GE Vernova Hydro Power) prior to any scheduled test/inspection/witness points. The inspection notification and reports management after inspection shall be done by using MTA.
Before all customer inspection, it is mandatory that Supplier perform a pre-inspection with GE Vernova Hydro Power representative.
GE Vernova Hydro Power's and/or customer's acceptance of product (stamp of documents) does not relieve the Supplier of its obligations to supply components that meet drawing and purchase order requirements.

4.14 Supplier Deviation Request (SDR through Quality Suite) & Nonconformity (NC) management.

All deviation (before/after creation of defect) after placement of PO and before dispatch of component from supplier must be raised as SDR in Quality Suite through link: Supplier Deviation Request .

All defects after dispatch of product from supplier need to be reported as NCR in NC module of Quality Suite. Because of some SDR If ECR is required, engineer need to open a specific action for this activity while disposing the SDR, also "yes" need to be selected in the field " As-built/redline required", according to defined action engineer need to raise the ECR and ensure the effective closure.

Change identified in engineering drawing/documents before placement of PO shall be raised as ECR to the engineering, RCL is responsible to raise the ECR, PO need to be placed after revision of engineering drawing/documents.

In case of urgency and impact on OTD, RCL can make a decision of PO placement without ECR, in this case prior agreement with supplier need to be made in technical review meeting along with engineering agreement for regularizing the identified changes through SDR, SDR need to be raised by the supplier with in 5 days of placement of PO, engineering need to clear the SDR in 5 days after receiving the SDR along with any client approval if required.

Detection phase	Details of detection phase	SDR/NCR	Escape	Cost Impact on GE
Before defect creation	Change request like material change etc.	SDR	No	Low
External Manufacturing	defect detected by supplier at supplier's factory	SDR	No	Low
External Inspection	defect detected by GE Vernova Hydro Power Inspector at supplier's factory	SDR	No	Low
Incoming Inspection	defect detected at GE Vernova Hydro Power factory during incoming inspection	NCR	Yes	Medium
Internal manufacturing	defect detected at GE Vernova Hydro Power factory during manufacturing	NCR	Yes	Medium
Internal Inspection	defect detected at GE Vernova Hydro Power factory during inspection	NCR	Yes	Medium
Transport	defect detected By GE Vernova Hydro Power while transportation	NCR	Yes	High
Site reception	defect detected at GE Vernova Hydro Power site while reception	NCR	Yes	Very High
Siter erection	defect detected at GE Vernova Hydro Power site while erection	NCR	Yes	Very High
Commissioning	defect detected at GE Vernova Hydro Power site while commissioning	NCR	Yes	Very High
Warranty	defect detected at GE Vernova Hydro Power site during warranty period	NCR	Yes	Very High

Table Name- detection phase wise SDR/NCR applicability

When a deviation with respect to the GE Vernova Hydro Power drawing or specifications is exist or expected to exist, the Supplier must submit a Supplier Deviation Request through SDR system in QualitySuite.

SDR is applicable for both type of deviations i.e., if defect already created or expected to be created, SDR also applicable for all change requests with respect to drawings and specifications like material change request etc.

The supplier shall follow the process of SDR, should not proceed without GE Vernova Hydro Power disposition on any SDR, No repair shall be performed on a deviation prior to disposition by GE Vernova Hydro Power.

The Supplier shall not ship any deviated part before it is in cleared the SDR stage. GE Vernova Hydro Power has the right to request additional inspections and tests beyond applied drawing and specifications to prove the deviated part's form, fit and function prior to SDR disposition.

The SDR must contain a detailed description, containment, probable source and proposed remedial action (when business directed) as part of the initial submission of information. Failure to supply all the information as required may result in the SDR being returned to the Supplier for completion of the required information. If this rejection impacts fulfillment requirements, charges may apply for the Supplier's account.

SDRs are "one-time" exceptions to GE Vernova Hydro Power requirements.
The approved SDR applies to only the Purchase Orders listed on the SDR.
To request clarification on a GE Vernova Hydro Power drawing, specification or purchase order, the supplier may submit a RFI through Quality Suite. No approvals to ship parts deviating from GE Vernova Hydro Power Purchase Orders or specifications can be granted through the RFI process.

SDRs must be submitted by the primary Supplier (the Seller on the Purchase Order). Any deviations (e.g. drawing changes, material substitutions, etc.) related to a sub tier supplier's scope must be submitted through the primary Supplier. Alternate materials listed in GE Vernova Hydro Power Specifications may be utilized in lieu of the specific material identified by the drawing or parts list unless specifically prohibited by the drawing or part specification.

Note: The specifications identified in the preceding paragraph may not be applicable to all GE Vernova Hydro Power businesses. Confirmation with the SQE is required for applicability.

Please refer SDR HMS Procedure HG-LS-2-G-I-002 for SDR criticality indicators

4.15 Containment

When SDR/NCR are discovered, containment is expected to be immediate with all affected parts being contained. Containment actions apply to products, process, and materials in which the non-conformance was detected as well as similar products or product families in which the non-conformance may occur. If the non-conformance is discovered during random audit, all inventory must be evaluated.
Containment at the Supplier is expected to isolate (separate from normal production), insulate (inspect products to sort for defects at the Supplier, in transit for shipment and at the customer site) and aid in control of risk related to the non-conformance. An effective containment process must document the Supplier's efforts to verify control of its processes, (pre-production, production, and post-production).

4.16 Proposed Remedial Action

Where applicable, Suppliers to GE Vernova Hydro Power should provide a rework or repair concept plan for all deviating products and services prior to disposition. Also, provide a rework, repair, or accept as is recommended.

Where rework or repair is not possible, substantiation should be provided.

Proposals should include:
- Identified risks that would adversely impact the product
- Planned completion date
- Estimated time (labour) required to complete correction

4.17 Non-Conformity Management (NC)

Depending on the detection phase of the deviation, the deviation can be considered as a non-conformity, refer table-detection phase wise SDR/NCR applicability, under section 4.14.

The Supplier will be informed on the NC, supplier need to start the containment & RCA immediately.

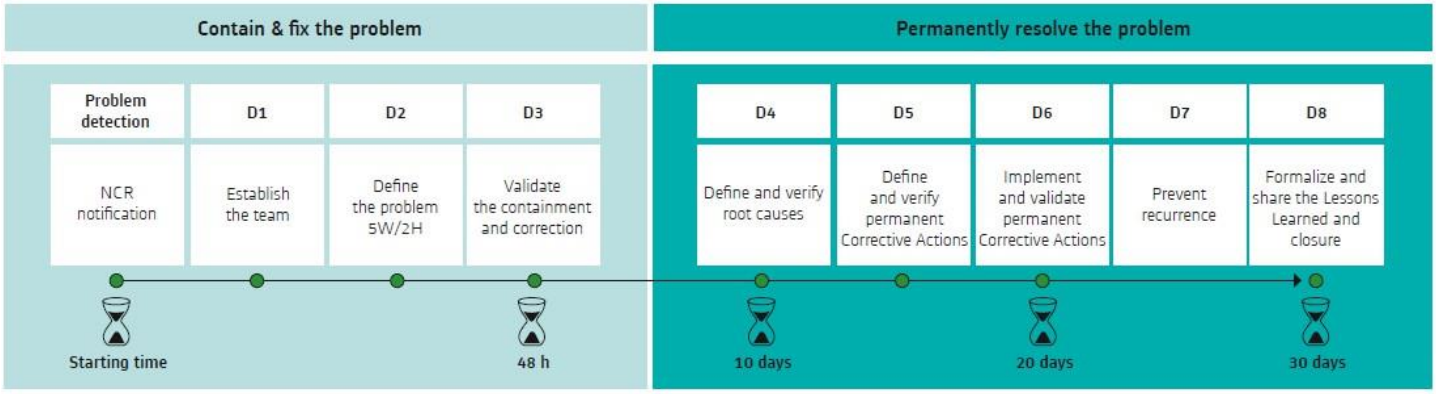
4.18 Detection & Notification

When a non-conformance is detected by GE Vernova Hydro Power or the GE Vernova Hydro Powe Customer, a non-conformance report (NCR) will be issued, and the Supplier notified accordingly.
The Supplier will have received by email, an official notification of the NC called “Notification of Non-Conformity opened in GE Vernova database”. The NC is also attached for more detailed information, and the Supplier is requested to complete the root cause into the NCR Template and send it back to the SQE for review. Non-conformance notification is sent to supplier to confirm or not allocation/responsibility.

If no response is received from the Supplier within **seven (7) days**, starting from the date of this notification, GE Vernova will deem the NCR to be accepted, and will take into consideration for Supplier Performance Management (Top Offender), the registration of Cost of Non-Quality and deployment of claim management with the Vendor Bill Back (VBB) process- HG-MB-1-G-I-018

4.19 Requirements for Problem-Solving

To ensure timely execution of the root cause analysis, GE Vernova Hydro Power will measure the Supplier’s responsiveness against the following targets for selected stages:



4.20 Corrective Action Procedure and Requirement

In case of high and medium critical SDR/NC supplier shall perform a formal root cause analysis and identify containment, corrective, and preventive actions. Corrective Action Requests that remain open longer than the specified period may result in disqualification of the Supplier.
Corrective action intended to:

a. Prevent the recurrence of problem
b. Avoid creation of further product or process issues

As required or requested, Supplier corrective action plans should contain at a minimum the following:

- Containment Action(s) - Execution of containment plans
- Process capability as requested by GE Vernova Hydro Power
- Descriptions and cycle time of previous remediation performed or total duration to complete remediation
- Root cause analysis utilizing 6 sigma methods (e.g. 8D)
- Long term process changes that will likely eliminate the causes
- Owner and Target date for implementation and completion
- Any identifiable risk items to the product or process that may impact GE Vernova Hydro Power or its customers

All corrective action plans shall require the approval from GE Vernova Hydro Power prior to execution and follow all GE Vernova Hydro Power Supplier quality requirements.
Preventive actions are taken to eliminate the cause(s) of a potential non-conformance or undesirable potential situation to prevent occurrence.
The Supplier must provide and maintain objective evidence that the actions have been accomplished.
If the deviation is incorrectly charged to a Supplier, this should be denoted on the corrective action request and sent to both the Sourcing representative and the SQE.
Validation of Corrective Action(s):

Corrective Actions must be documented and validated through objective, factual evidence to assure that the root cause(s) have been eliminated.

Validation may take many forms such as:

- data
- records
- revised or developed procedures
- observations
- production quantities

4.21 Cost of Quality & Penalties

Cost of Quality is costs associated with avoiding, finding, creating, and repairing defects and errors assuming all defects and errors are detected.

Any Supplier cost of non-quality incurred by GE Vernova Hydro Power is a waste for our organization and can jeopardize our business profitability and GE Vernova Hydro Power Brand.

We strongly believe that a rigorous and effective Vendor Bill Back drives the Supplier behaviour toward the Quality excellence, aiming to comply with the 'do it right at first time' approach.

The Suppliers shall be more proactive, putting in place preventive actions and controls to ensure zero escaping defect and thus, saving non-quality costs and gaining in competitiveness.
For this reason, GE Vernova has decided to reinforce the Vendor Bill Back process, this process includes both administrative fee as well as the other cost incurred in resolving the non-confirming product like repair, rework, replace etc.

These administrative fees are the minimum nonconformance cost to be claimed to the Suppliers and in no way, exonerate the Supplier to afford the payment of all nonconformance costs incurred by GE Vernova Hydro.
In the Buyer's sole discretion, the Buyer may set-off, deduct or invoice the Supplier for such administrative fee described herein.

Hereunder is the administrative fees table, which explains the fees calculation depending on the Supplier's non-conformance detection location.

Supplier NC detection location	NC Administrative fees $ USD		
	NAM, EMEA, OCEANIA	LAM	Asia (Include China & India)
Customer Site	1200	700	400
GE Manufacturing	900	500	300
GE inspection	600	300	200
Supplier self-inspection	0	0	0

4.22 Packing & Pre-Shipment

Boxing and preservation activities are included in the scope of supply and have to be compliant with GE Vernova Hydro specification. The specification are included in the PO specification package and product specific (in case product specific requirements are not available) supplier need to comply with general box and packing specification.
Supplier must follow the PALILA guideline HG-MB-3-G-P-001 and linked processes.

Before Shipment the supplier needs to fulfil a Pre shipment checklist HG-MB-1-Q-T-002 (available in attachment section of this document) that contain information about protection, marking, visual conditions, and proper lashing inside the Box. This form also includes pictures to provide evidence to GE. This template can be found in annexure of this document.

4.23 Data Book

The Supplier shall have a written procedure for the documentation and retention of quality and product records for products supplied to GE Vernova Hydro Power. Records shall include, but are not limited to, product quality or inspection and test plans and results, material specifications, qualification documentation and certificates of conformance. Specific component record requirements may be specified in GE Vernova Hydro Power purchase orders, contracts, or

specification. It is the responsibility of the Supplier to determine the appropriate storage means to meet the retention requirement and allow for timely retrieval of records.
The Supplier shall provide a Quality Data Book (QDB) for each product manufactured. The Supplier shall complete each section with the required documents and follow the instructions below. The QDB shall be prepared systematic and be ready and available for any GE Vernova Hydro or Customer visit. The Supplier shall complete the QDB folder per the following table.

All documents shall be in English as well as in any other language stated in the contract. All documentation content shall be clear and readable, clearly printed, reproducible.

GE Vernova Hydro and/or customer acceptance of product (stamp of documents.) does not relieve the Supplier of its obligations to supply components that meet drawing and purchase order requirements.

	SECTION	MAIN INSERTS	CONTENT	COMMENTS
		FRONT PAGE	Project Product MPP/CP PO number Supplier Unit	The Supplier shall include all the elements mentioned in the Content column.
INPUT DATA	0	Supplier Design Validation (Supplier Design only)	Design Calculations Design reviews Mails Meeting report	Section 0 applies when the Supplier is responsible of the Design. The Supplier shall include all the documentation mentioned in the Content column.
	1	MPP/CP		Manufacturing Process Plan & Control Plan applicable for the project
OUTPUT DATA	2	Supplier Deviation Request List		Provide a copy or list all SDRs used on this Project
	3	Non-Conformity Report		To fill the Non-Conformity Report (NCR) Form
	4	Product Folder	Code Compliance Component Conformance (CC) Material Test Reports Welding Procedure Non-Destructive Test Functional Testing Repair/Rework Pre shipment checklist	Per the Control Plan: Please create an insert for each line where Q-Records are required The Supplier shall include mandatory information in the Q-Records for Quality approval. Provide a copy of all documents to validate this commodity meets all Domestic and Inter- national Code Compliances for the following but not limited to: CSA, CRN, IEC, CE, PED, ATEX, NEC Include CC for all major components: e.g., pump curves, testing certifications, calibration certificates, and relevant data sheets Provide copies of Material Test Reports for all material used on this Project to include, but not limited to the following: Piping, Structural Steel, Bolting materials (Bolts, nuts, washers), Tubing, Raw Materials, Welding Consumables Provide any Rework procedures and results
	5	Conformance Certificate		To certify that before shipment the supplied good meets the required specifications and requirements.

4.24 Green Channel

Green channel supplier: Suppliers which are capable enough to deliver the defect free product without GE Vernova Hydro Power inspection.
Process for green channel

Benefits for supplier to be Green Channel:

- Less administrative task with no more GE Vernova Hydro Power request for inspection based on notification period (MTA call)

- Less inspection logistic management due to lack of inspector availability and GE Vernova request for rescheduling
- No more perturbation of supplier planning due to quality inspection. For dimensional control on machine, no more load/capacity issue to wait inspector availability
- No more resource allocation to support visit, during the inspection time
- Cost saving with no repetition of the control. In case of subcontracted operations, no need to pay twice external control companies

4.25 Audit & Monitoring

The Supplier shall allow GE Vernova Hydro Power and / or the final Customer the rights to carry out audits of the Supplier and Subcontractors itself.
GE Vernova Hydro Power shall be entitled to perform audits / inspections / visits at any time during the validity of and related contracts at the premises of the Supplier and all subcontractors and sub-Suppliers of the Supplier to verify compliance with all aspects of the related contract.

The Supplier shall grant GE Vernova Hydro Power and its Customers, access to all plant areas, test departments, ware-houses, and adjoining areas as well as access to all quality relevant documents to GE Vernova Hydro Power. Necessary and reasonable restrictions on the product of the Supplier to safeguard business secrets shall be accepted.
Note: for sub tiers audit & monitoring refer to item 2.3. Management of sub tier Supplier.

5 LOGISTICS (FOR SUPPLIERS AND SPECIFIC LOGISTIC SUPPLIERS)

5.1 Delivery Note

The Delivery Note shall contain at a minimum the following Contact information:

- GE Vernova Hydro Power's address and the delivery address (as stated in purchase order)
- GE Vernova Hydro Power contact's name or the department / service if available
- The Supplier's name and address
- The Supplier's contact information (phone number and email address)
- The date of the actual day of shipping

References:
- Full or Partial delivery
- Delivery note number
- Purchase Order number (provided by GE Vernova Hydro Power) and Project name
- Item number - POS N° (as stated on the purchase order)
- Quantity and unit* per item
- Article number (as stated on the purchase order)
- Designation (as stated on the purchase order)

Product information:
- Packing detail
- Total weight in kg (gross)
- Total weight in kg (net)
- Dimensions
- Transport details (shipping method, delivery conditions)

The delivery note shall be placed visibly on the outside of the box/pallet in a waterproof plastic sleeve. If the consignment contains several boxes/pallets, a delivery note shall accompany each package.
Quantities and units shall be mentioned as stated in the purchase order (m, kg, number, etc.). In case the quantity or the unit differs from the purchase order, the Supplier shall agree with GE Vernova Hydro Power on the measurement.

5.2 Origin and Customs

Suppliers' compliance requirements (Customs)
The Supplier will inform GE Vernova Hydro of the regulation governing the ordered commodities such as:
- Dual-Use Goods regulation (for e.g. but not limited to EU Resolution n° 428/ 2009 "modified", or US Dept. of Commerce via Export Administration Regulation - EAR, etc.)

- Military regulation (products designed for military use) (for e.g. but not limited to EU Common Military list, or US Dept. Of State via ITAR, etc.)
- National restrictions The Supplier will provide to GE Vernova Hydro Power the detailed export control classification number (ECN)

The origin declaration
In relation to the sale of GE Vernova Hydro Power products, demands can be made upon GE Vernova Hydro Power to show proof of the country of origin of the parts per the EU's free trade agreements.
Each year all of GE Vernova Suppliers in accordance with GE Vernova purchasing conditions, are obliged to provide the origin for all parts supplied.

- All Suppliers inside the European Union must send a Long-Term Suppliers' Declaration for parts with preferential originating status or non-preferential originating status, for more information: Long term suppliers' declaration for products having or having not preferential origin status (ONLY FOR SUPPLIER INSIDE EU)
  https://taxation-customs.ec.europa.eu/customs/international-affairs/origin-goods/preferential-origin_en

- All Suppliers outside European Union must send a:
  - Certificate of Origin
  - FORM A or EUR1 certificate
  - Declaration of origin on the invoice for Suppliers who are approved exporters.

- The country of origin must be given by using the ISO standard code (2 letters alpha -code, ex: DE, GB, FR, US, JP etc.)

- For all orders placed with Canadian, Mexican, and U.S. suppliers, please note that in addition to the certificate of origin, it is also essential to obtain USMCA qualification for all parts manufactured in the afore mentioned countries.

REX System (To replace FORM A certificate)

In accordance with Article 79 of the UCC Implementing Regulation (Regulation EU 2015/2447) all Suppliers located in the GSP beneficiary countries must apply the REX system as from 1 January 2017.
The following GSP beneficiary countries have notified that they will apply the REX system later than 1 January 2017:

- Application of the REX system as from 1 January 2018: Afghanistan, Armenia, Bolivia, Ivory Coast, Eritrea, Gambia, Guinea, Malawi, Mozambique, Myanmar, Niger, Rwanda, Sri Lanka, Sudan, Swaziland, Syria, Tanzania.

- Application of the REX system as from 1 January 2019: Bangladesh, Benin, Burkina Faso, Cabo Verde, Cambodia, Haiti, Indonesia, Kyrgyz Republic, Lesotho, Madagascar, Mauritania, Mongolia, Nigeria, Paraguay, Philippines, Samoa, Sen- egal, Tajikistan, Uganda, Uzbekistan, Vanuatu, Vietnam.

From a legal point of view, the other GSP beneficiary countries are supposed to apply the REX system as from 1 January 2017.
However, a beneficiary country has to fulfil two prerequisites before the application of the REX system:
- Submitting an Undertaking, referred to in Article 70 of the above-mentioned regulation
- Communicate to the competent authorities in accordance with Article 72 of the above-mentioned regulation

The countries indicated in Bold are the ones which satisfy the two prerequisites described above.
- Application of the REX system as from 1 January 2017: Angola, Burundi, Bhutan, Democratic Republic of Congo, Central African Republic, Comoros, Congo, Cook Islands, Djibouti, Ethiopia, Micronesia, Equatorial Guinea, Guinea Bissau, India, Kenya, Kiribati, Laos, Liberia, Mali, Nauru, Nepal, Niue Island, Pakistan, Solomon Islands, Sierra Leone, Somalia, South Sudan, Sao Tomé & Principe, Chad, Togo, Tonga, Timor-Leste, Tuvalu, Yemen, Zambia

The pre-application webpage for GSP beneficiary countries (from 1st of January 2017):
https://customs.ec.europa.eu/rex-pa-ui/#/create-preapplication/

Publication of the registered exporters data (from 1st of January 2017):
http://ec.europa.eu/taxation_customs/dds2/eos/rex_home.jsp?Lang=en
Bill of Lading or Air Waybill
They are also required for customs clearance.

Marking of origin
Naked products and their commercial packaging should be legibly and permanently marked with the “country of origin” mention (For example: MADE IN CHINA)
The manufacturing origin marked on product and packaging labels should be the same as the origin declared on the commercial invoice and any other documents.

The commercial invoice
A detailed invoice is essential for freight to be cleared smoothly through customs.
This invoice should contain following elements:

- Supplier’s full name and address
- Shipping location’s full name and address
- Purchaser’s full name an address
- Consignee’s full name an address
- Invoice number
- Invoice date
- GE purchase order number
- Incoterms:
  - it should be the new 2010 version = acronym 3 letters code + the geographical named place as specified in the commercial agreement
- Payment terms
- Freight terms
- Parcel type:
  - Cartons, wooden box, pallets…
- Harmonized Tariff system code (HTS code):
  - for each invoiced item, it should include the first 6 digits issued from the tariff in force in the shipping country
- Country of origin:
  - For each item listed on the invoice, it must include the manufacturing country of origin.
    - It is the country where substantial transformation is made, in compliance with local rules of origin in force in this country.
    - That is different from:
      - Shipping country = country of departure for the logistic operation
      - Purchasing country = Country where the Supplier head office is settled
- Unit cost and total cost extended by quantity for each invoiced item
- Number of parcels
- Parcel dimensions for shipments
- Weight - gross & net
- Cubic feet of all parcels in shipment
- Catalogue number
- Quantity of each commodity by item line:
  - Each commodity physically included in the shipment should be described on the invoice as an item line, including “no charge” items (for example warranted spare parts or replacements or gifts). In this case, the item value for customs purpose should be the reasonable value.
- Unit of measure
- Detailed description
- Total invoice value:
  - It should include any additional charges such as packing, customs clearance, freight, and insurance per 2010 incoterm, any rebates, commissions, royalties, etc. If discounts have been provided, they should be detailed and justified.
- Currency

5.3 Dangerous Goods

All dangerous / hazardous goods (as identified in any transport regulation) must be accompanied with:

- Their Master Safety Data Sheet (MSDS), in the languages of:

- ➢ the country of origin AND
- ➢ the country of the destination of the Project (destination) AND
- ➢ English,

• Their Dangerous Goods Declaration (DGD) on the Multimodal Form

The whole set of such documents must be attached to the Delivery Note.
Note: usual dangerous goods in our business (non-exhaustive list): Glues, Paints, Greases, Oils, Resins, Varnishes, Gas bottle (SF6).

5.4 Carrier

All vehicles used or contracted for carrying out the components/parts, must comply with all applicable laws, and EHS Requirements to traffic, vehicle loading and unloading, parking. Any vehicle that is not in possession of current valid documentation and certificates shall be immediately removed from circulation.
All persons driving shall obey all traffic regulations and signs. They must be subject to formal competence checks by the Supplier to ensure the necessary training, experience, and qualification prior to placement, and carry a valid driver's license for any vehicles they operate.

5.5 Load Securement – constraints.

All transport and loading/unloading operations are based on the United States Department of Transportation (DOT), Federal Motor Carrier Safety Administration (FMCSA), Rules for Cargo Securement. CFR Parts 393.100, 393.102, 393.104, 393.106,393.108, 393.110, 393.110, 393.112, 393.114, and 393.130

http://www.fmcsa.dot.gov/regulations/cargo-securement/cargo-securement-rules
And/Or:
EN 12195-1:2010 (E) as the European equivalent for establishing minimum acceptable constraints of cargo to the transport vehicle.
If local requirements are more stringent, then the more stringent local code would apply. If local codes are less stringent, then this document's requirements take precedent over the local code.

A securement (lashing) plan must be issued with a calculation note, checked, and submitted for authorization by a competent authorized person prior to any lashing operation and formally communicated to all persons undertaking the work included the truck driver.

6 SUPPLIER MONITORING & CONTINUAL IMPROVEMENT

6.1 Supplier Monitoring & Continual Improvement - Minimum Mandatory Requirement

The Supplier Monitoring & Continual Improvement process is performed after the Order Execution and allow GE Vernova Hydro Power to realign Supplier strategy on demonstrated performances. All Supplier Scorecards should be created in the Quality Suite module Supplier Performance. Please refer HMS document HG-MB-1-G-P-009 for more details.

Monitoring & CI vs. criticality level	A	B	C	G	L	S
Performance Evaluation	YES	YES	YES	NO	NO	YES

*GE Vernova Hydro Power will assess the risk to require or not.
Note: Only those suppliers need to be considered for score cards who has delivered products in last year (year of performance evaluation)
Note: Region can decide the spend threshold in the requirement of score cards i.e. region can define that score cards should only be done above some spend threshold only.

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6.2 GE Vernova Hydro Power Supplier Performances Monitoring

The Supplier's performance is rated because of regular measurements and supported by evidence of specific criteria: Cooperation / Service, Compliance, Quality Performance, Delivery Performance, Cost Performance, Business Continuity, Design & Engineering. During the order execution phase Supplier performance is monitored by GE Vernova.

The result of this performance monitoring is summarized in a scorecard in Quality suite Supplier Performance module and can communicated to the Supplier on yearly bases. The Supplier shall be classified and ranked according to below table based on the score obtained in the evaluation.

Color Code	Classification	Overall Rating	Total Score
GREEN	Green (G)	High Performance	85 - 100%
YELLOW	Yellow (Y)	Medium Performance	65 - 84%
RED	Red (R)	Low Performance	50 - 64%
BLACK	Black (B)	Unacceptable Performance	< 49%

New Purchase Orders shall no longer be placed to the Supplier whose performance rating falls under Unacceptable Performance.
For Suppliers with Low and Unacceptable Performance levels, an Action Plan shall be requested to the Supplier, supplier must need to submit the development plan based on the performance evaluation feedback.

6.3 Supplier Internal Performances Monitoring

For quality performance, the Supplier shall develop production process performance metrics that monitor (but are not limited to) the following:

- Process Yield Rates (% Scrap, % Rework)
- Product First Pass Yield (%)
- Customer complaints
- Escaping defects

For delivery performance, the Supplier shall take appropriate Corrective Action when 100% delivery performance is not or will not be achieved.

6.4 Subcontractor/Sub-Supplier Monitoring

The Supplier shall monitor Subcontractor/Sub-Supplier performance using the following indicators:

- Delivered product quality
- Customer disruptions/Customer returns
- Delivery schedule performance.

The Supplier shall maintain documentation supporting the mentioned performance monitoring activities. This documentation shall be made available to GE Vernova Hydro Power for review upon request.
Note: for sub-suppliers monitoring refer also to item 2.3. Management of sub tier Supplier

6.5 Improvement Suggestion (IS)

The Supplier shall have opportunities to propose Improvement Suggestion (IS). IS are how Suppliers suggest improvements to reduce cost and/or delay by modifying drawing and/or specifications. Quality Assurance Strategy with a proactive approach from Suppliers.

This improvement suggestions can be shared by the suppliers at the time of technical review meetings and other stages.

6.6 Supplier Development

Supplier development is defined as "the process of working with certain Suppliers on a one-to-one basis to improve their performance and expand capabilities for the benefit of the buying organization." Supplier development can come in many different forms, from informal initiatives to a formally structured program.

Supplier development affords corporations an opportunity to bring together teams of Suppliers to work in harmony for the benefit of the company, improving the bottom line in the long run. Additionally, these approaches can showcase the

organization's commitment to the economic growth of local communities, while building the capacity of diverse businesses to serve the organization more effectively.

If the Supplier performances required it, GE Vernova Hydro reserves the right to require the support of a third-party service designated by GE Vernova Hydro Power to conduct and support the deployment of a Supplier Development Program. The Supplier will be responsible for all costs directly to the third-party

6.7 Disqualification

There are several instances where a Supplier's status as "qualified" may be changed. A Supplier can be disqualified for a specific item or process when they fail to consistently meet GE Vernova Hydro Power requirements.

- GE Vernova Hydro Power shall document the basis for disqualification.
- GE Vernova Hydro Power will communicate to impacted functions the decision to disqualify a Supplier for a specific component or service.
- GE Vernova Hydro Power may, in its discretion, decide to contain and dispose of non-compliant material, components, and services from a disqualified Supplier.
- Requalification of a previously disqualified Supplier shall be performed in accordance with general and additional qualification requirements sections of this procedure.
- GE Vernova Hydro Power shall ensure identified deficiencies that led to the Supplier's disqualification are corrected by such disqualified prior to requalification.

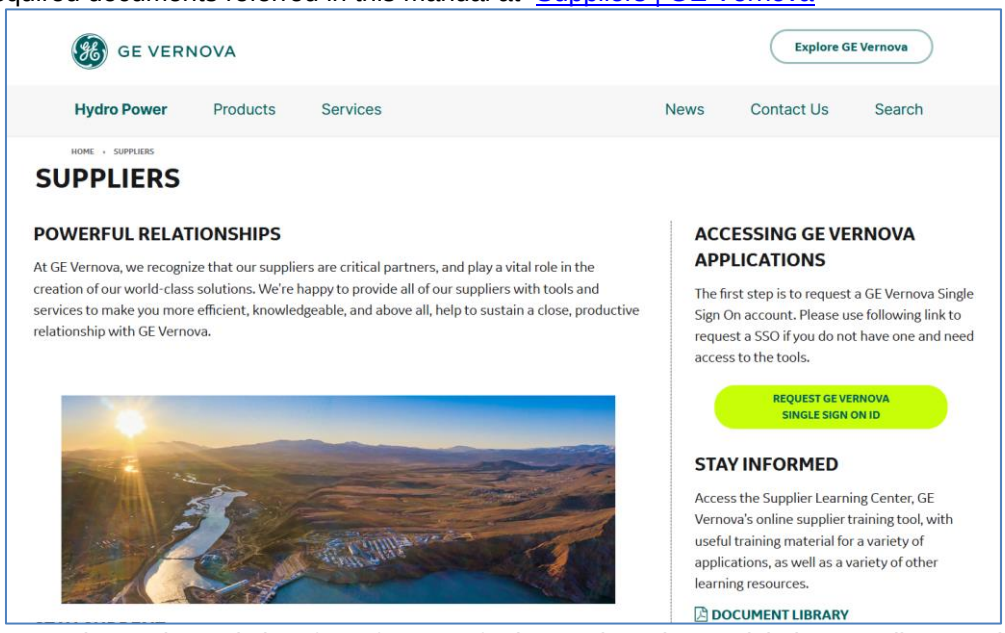
7 LANGUAGE, TRANSMITTAL CHANNEL & RETENTION

7.1 Language

All documentation shall be written both in the English language and in the contractual language indicated in the Purchase Order.

7.2 Communication & Tools

The supplier can have an overview of the GE Vernova Hydro Power tool.
They will have to use to collaborate with GE Vernova on following Hydro Supplier Collaboration Portal: Suppliers | GE Vernova
Supplier can get required documents referred in this manual at Suppliers | GE Vernova



Note: Above picture is just for reference, for latest view please visit the Supplier portal.

7.3 GE Vernova Hydro Power Policy for Specification Transmittal to Supplier

It is incumbent upon the Supplier to review with the Sourcing Representative and/or SQE the appropriate document retrieval methods that may be specific to their business. It is also the responsibility of the Supplier to review specification revisions with the Sourcing Representative and/or SQE on a continuous basis to ensure that the correct revisions are being worked to. When Suppliers receive a new purchase order, it is the Supplier's responsibility to verify they have the latest revision of the specification set out on the drawings and purchase order.

Unless otherwise notified by GE Vernova Hydro Power, Suppliers are required to implement specification revisions on all existing and future purchase orders except where parts have already entered the manufacturing process. Any exceptions to this policy must be negotiated between the GE Vernova Hydro Power sourcing representative and the Supplier.

7.4 Record retention

The Supplier shall have a written procedure for the documentation and retention of quality and product records for products supplied to GE Vernova Hydro Power. The record retention period shall be a minimum of ten (10) years unless otherwise specified by GE Vernova Hydro Power. Records shall include, but are not limited to, product quality or inspection and test plans and results, material specifications, qualification documentation and certificates of conformance. Specific component record requirements may be specified in GE Vernova Hydro Power purchase orders, contracts, or specification. It is the responsibility of the Supplier to determine the appropriate storage means to meet the retention requirement and allow for timely retrieval of records.

8 FINAL TERM

Modifications and/or additions to this GE Vernova Hydro Power Supplier Quality Requirement Manual must be made in writing. If any provision of this manual is invalid under the law of any jurisdiction, the remaining provisions are enforceable in that jurisdiction to the extent that they are not invalid, whether they are in severable terms or not. In this case, the partners to the agreement shall agree on a valid term which is as close as possible to the economic purpose of the invalid term. This manual shall in all respects be governed by and interpreted in accordance with the substantive law of the State of New York, U.S., excluding its conflicts of law provisions.

9 SUPPLIER COUNTRY VS. GE VERNOVA HYDRO REGIONS

Country	Country Code	Hydro Supplier Region	Country	Country Code	Hydro Supplier Region	Country	Country Code	Hydro Supplier Region
Andorra	AD	HEU	Gambia	GM	HEU	Norway	NO	HEU
United Arab Emirates	AE	HEU	Guinea	GN	HEU	Nepal	NP	HIN
Afghanistan	AF	HEU	Guadeloupe	GP	HNA	Nauru	NR	HCN
Antigua and Barbuda	AG	HNA	Equatorial Guinea	GQ	HEU	Niue	NU	HCN
Anguilla	AI	HLA	Greece	GR	HEU	New Zealand	NZ	HEU
Albania	AL	HEU	South Georgia and the South Sandwich Islands	GS	HLA	Oman	OM	HEU
Armenia	AM	HEU	Guatemala	GT	HNA	Panama	PA	HLA
Netherlands Antilles	AN	HNA	Guam	GU	HEU	Peru	PE	HLA
Angola	AO	HEU	Guinea-Bissau	GW	HEU	French Polynesia	PF	HEU
Antarctica	AQ	HEU	Guyana	GY	HLA	Papua New Guinea	PG	HIN
Argentina	AR	HLA	Hong Kong, SAR China	HK	HCN	Philippines	PH	HIN
American Samoa	AS	HEU	Heard and Mcdonald Islands	HM	HCN	Pakistan	PK	HEU
Austria	AT	HEU	Honduras	HN	HLA	Poland	PL	HEU
Australia	AU	HEU	Croatia	HR	HEU	Saint Pierre and Miquelon	PM	HNA
Aruba	AW	HNA	Haiti	HT	HLA	Pitcairn	PN	HEU
Aland Islands	AX	HEU	Hungary	HU	HEU	Puerto Rico	PR	HNA
Azerbaijan	AZ	HEU	Indonesia	ID	HIN	Palestinian Territory	PS	HEU
Bosnia and Herzegovina	BA	HEU	Ireland	IE	HEU	Portugal	PT	HEU
Barbados	BB	HNA	Israel	IL	HEU	Palau	PW	HIN
Bangladesh	BD	HIN	Isle of Man	IM	HEU	Paraguay	PY	HLA
Belgium	BE	HEU	India	IN	HIN	Qatar	QA	HEU

Burkina Faso	BF	HEU	British Indian Ocean Territory	IO	HIN	Réunion	RE	HEU
Bulgaria	BG	HEU	Iraq	IQ	HEU	Romania	RO	HEU
Bahrain	BH	HEU	Iran, Islamic Republic of	IR	HEU	Serbia	RS	HEU
Burundi	BI	HEU	Iceland	IS	HEU	Russian Federation	RU	HEU
Benin	BJ	HEU	Italy	IT	HEU	Rwanda	RW	HEU
Saint-Barthélemy	BL	HEU	Jersey	JE	HEU	Saudi Arabia	SA	HEU
Bermuda	BM	HNA	Jamaica	JM	HNA	Solomon Islands	SB	HIN
Brunei Darussalam	BN	HIN	Jordan	JO	HEU	Seychelles	SC	HEU
Bolivia	BO	HLA	Japan	JP	HCN	Sudan	SD	HEU
Brazil	BR	HLA	Kenya	KE	HEU	Sweden	SE	HEU
Bahamas	BS	HNA	Kyrgyzstan	KG	HEU	Singapore	SG	HIN
Bhutan	BT	HIN	Cambodia	KH	HIN	Saint Helena	SH	HEU
Bouvet Island	BV	HEU	Kiribati	KI	HCN	Slovenia	SI	HEU
Botswana	BW	HEU	Comoros	KM	HEU	Svalbard and Jan Mayen Islands	SJ	HEU
Belarus	BY	HEU	Saint Kitts and Nevis	KN	HNA	Slovakia	SK	HEU
Belize	BZ	HNA	Korea (North)	KP	HCN	Sierra Leone	SL	HEU
Canada	CA	HNA	Korea (South)	KR	HIN	San Marino	SM	HEU
Cocos (Keeling) Islands	CC	HIN	Kuwait	KW	HEU	Senegal	SN	HEU
Congo, (Kinshasa)	CD	HEU	Cayman Islands	KY	HNA	Somalia	SO	HEU
Central African Republic	CF	HEU	Kazakhstan	KZ	HEU	Suriname	SR	HLA
Congo (Brazzaville)	CG	HEU	Lao PDR	LA	HIN	South Sudan	SS	HEU
Switzerland	CH	HEU	Lebanon	LB	HEU	Sao Tome and Principe	ST	HEU
Côte d'Ivoire	CI	HEU	Saint Lucia	LC	HNA	El Salvador	SV	HNA
Cook Islands	CK	HNA	Liechtenstein	LI	HEU	Syrian Arab Republic (Syria)	SY	HEU
Chile	CL	HLA	Sri Lanka	LK	HIN	Swaziland	SZ	HEU
Cameroon	CM	HEU	Liberia	LR	HEU	Turks and Caicos Islands	TC	HNA
China	CN	HCN	Lesotho	LS	HEU	Chad	TD	HEU
Colombia	CO	HLA	Lithuania	LT	HEU	French Southern Territories	TF	HEU
Costa Rica	CR	HLA	Luxembourg	LU	HEU	Togo	TG	HEU
Cuba	CU	HNA	Latvia	LV	HEU	Thailand	TH	HIN
Cape Verde	CV	HEU	Libya	LY	HEU	Tajikistan	TJ	HEU
Christmas Island	CX	HIN	Morocco	MA	HEU	Tokelau	TK	HIN
Cyprus	CY	HEU	Monaco	MC	HEU	Timor-Leste	TL	HIN
Czech Republic	CZ	HEU	Moldova	MD	HEU	Turkmenistan	TM	HEU
Germany	DE	HEU	Montenegro	ME	HEU	Tunisia	TN	HEU
Djibouti	DJ	HEU	Saint-Martin (French part)	MF	HEU	Tonga	TO	HIN
Denmark	DK	HEU	Madagascar	MG	HEU	Turkey	TR	HEU
Dominica	DM	HNA	Marshall Islands	MH	HCN	Trinidad and Tobago	TT	HNA
Dominican Republic	DO	HNA	Macedonia, Republic of	MK	HEU	Tuvalu	TV	HIN
Algeria	DZ	HEU	Mali	ML	HEU	Taiwan, Republic of China	TW	HCN
Ecuador	EC	HLA	Myanmar	MM	HCN	Tanzania, United Republic of	TZ	HEU
Estonia	EE	HEU	Mongolia	MN	HCN	Ukraine	UA	HEU
Egypt	EG	HEU	Macao, SAR China	MO	HEU	Uganda	UG	HEU

Western Sahara	EH	HEU	Northern Mariana Islands	MP	HNA	US Minor Outlying Islands	UM	HNA
Eritrea	ER	HEU	Martinique	MQ	HNA	United States of America	US	HNA
Spain	ES	HEU	Mauritania	MR	HEU	Uruguay	UY	HLA
Ethiopia	ET	HEU	Montserrat	MS	HNA	Uzbekistan	UZ	HEU
Finland	FI	HEU	Malta	MT	HEU	Holy See (Vatican City State)	VA	HEU
Fiji	FJ	HCN	Mauritius	MU	HEU	Saint Vincent and Grenadines	VC	HNA
Falkland Islands (Malvinas)	FK	HLA	Maldives	MV	HIN	Venezuela (Bolivarian Republic)	VE	HLA
Micronesia, Federated States of	FM	HCN	Malawi	MW	HEU	British Virgin Islands	VG	HLA
Faroe Islands	FO	HEU	Mexico	MX	HNA	Virgin Islands, US	VI	HLA
France	FR	HEU	Malaysia	MY	HIN	Viet Nam	VN	HCN
Gabon	GA	HEU	Mozambique	MZ	HEU	Vanuatu	VU	HIN
United Kingdom	GB	HEU	Namibia	NA	HEU	Wallis and Futuna Islands	WF	HCN
Grenada	GD	HNA	New Caledonia	NC	HCN	Samoa	WS	HIN
Georgia	GE	HEU	Niger	NE	HEU	Yemen	YE	HEU
French Guiana	GF	HEU	Norfolk Island	NF	HCN	Mayotte	YT	HEU
Guernsey	GG	HEU	Nigeria	NG	HEU	South Africa	ZA	HEU
Ghana	GH	HEU	Nicaragua	NI	HNA	Zambia	ZM	HEU
Gibraltar	GI	HEU	Netherlands	NL	HEU	Zimbabwe	ZW	HEU
Greenland	GL	HEU						

10 REFERENCE DOCUMENTS (FOR INTERNAL GE VERNOVA REFERNCE ONLY)

HMS Process	Document Number & Link
Supplier Deviation Request (SDR) Management Instruction	HG-LS-2-G-I-002
Non-Conformity Management Instruction	HG-LS-2-Q-I-002
Vendor Bill Back (VBB) Procedure	HG-MB-1-G-I-018
SRG	SRG - Enterprise Standard[1]
GECC Qualification (Technical Qualification)	HG-MB-1-G-I-005
Hydro Supplier Performance Scorecard	HG-MB-1-G-P-009
Hydro Supplier Eligibility Questionnaire (SEQ) Non-Critical Suppliers	HG-MB-1-G-T-007
Hydro Supplier Eligibility Questionnaire (SEQ) Critical Suppliers	HG-MB-1-G-T-076
GECC Product Type	HG-LS-2-G-P-003
Quality Package Template (MPP / Control Plan / PFMEA / Controls Instruction / Q-Records)	HG-LS-2-Q-T-010
PALILA guideline - R&R for Packing, Lifting, Lashing activities	HG-MB-3-G-P-001

11 ATTACHMENTS

Template No.	Description	Latest Template
HG-MB-1-Q-T-002	Pre-shipment Checklist	HG-MB-1-Q-T-002.xlsx

12 REVISION HISTORY

Rev. Index	Page Section	Description (or number of changes)	Date (DD/MM/YYYY) / Name
A	ALL (S)	Creation	16th July 2013 / Chirag Trivedi & Alejandro Del Bosque
B	ALLS (S)	Use the new PPT format and document identification, add main. new process base in SIPOC, and new code, leadership changes	17th April 2014 / Alejandro Del Bosque
C	ALL (S)	Integration to GE, simplification and rationalization and synergy with Renewable Energy QMS, new criticality level, new structure with Compliance, Execution and Monitoring, new quality package guidelines with MPP/CP	1st September 2017 / Bertrand Fraissard
D	ALL (S)	Integration of Hydro Code and Surveillance chapter, modification of Conformance Certificate and final term, and evolution of the Supplier monitoring chapter and glossary	25th October 2017 / Bertrand Fraissard
E	ALL (S)	Review applicable document, Minimum Mandatory requirements updates, include Green Channel inspection, add MPP/CP flow, review Product Validation (JRS), review non-quality management matrix	25th October 2018 / Bertrand Fraissard
F	ALL (S)	Added the Pre-shipment checklist. Updated the mandatory information for Supplier Quality Certificate	17th June 2020 / Riccardo Barigazzi
G	ALL (S)	Alignment of the document with existing practices and processes of Hydro business, acknowledgement by supplier now removed from the document, just need to share this document with sup- plier for reference and better alignment.	5th Feb 2023/ Santosh Kumar Sing
H	ALL (S)	Clarity about service project provided under the section "Supplier classification level" Class R removed from qualification, approval, and evaluation sections. For supplier order execution criteria for MPP for C class and criteria for TR/KOM for R class has been updated. Clarity on pre-PO SDR has been added in SDR section. Revision correction done on all the pages. Region and country responsibility matrix added. GECC qualification checklist note has been added in supplier qualification section. Hydro specific notes added in SRG section. Note added for GE T&C requirement.	12 Oct 2023/Santosh Kumar Singh
I	All Section	Document is Converted in to the GE Vernova Template HG-LS-2-Q-T-002 Revision D, following the guidelines in HG-LS-2-Q-I-002	28/07/2025 / Ainhoa Cabezas
	All Section	Hyperlinks changed due to GE Vernova spinoff (where applicable)	
	All Section	Document Type changed from Non-public to Public.	
	Section 1.1	§1.1 Revised GE Vernova Hydro Power Quality Policy updated.	
	Section 2.1	§2.1 Supplier Approval :MMR GE Renewable Energy Sourcing Fallback Manual reference removed after alignment with Yannis Tradigo. T&L Acknowledgment of Policy Compliance Declaration [032-2017-HG-EM] Removed from table.	
	Section 2,5	§2.5 Doc. Approval link : T&L Acknowledgment of Policy Compliance Declaration [032-2017-HG-EM] Link has been Removed. & Logistics EHS Pre-Screen Questionnaire Link added.	
	Section 4	§4 Reference of Supplier Order execution HG-MB-1-G-018 document has been removed as this document has been removed from HMS. (§4.1, 4.3, 4.10)	
	Section 4.14	§4.14 SDR & NCM: Column (Cost impact on GE) added in the table of detection phase wise SDR/NCR applicability	
	Section 5.2	§5.2 Origin & Custom: Note added for the applicability of USMCA qualification	
	Section 6	§6 : Supplier monitoring & continual improvement - Reference of Supplier Performance module in Quality suite has been added in the SQRM	
	Section 7.2	§7.2 Communication & Tools : Image from the Supplier portal added for reference.	
	Section 9	§9: Supplier country V/s region list updated	
	Section 10, 11	§10: Reference Document section added with links. §11: Attachment section added.	