



International  
Association  
of Oil & Gas  
Producers



Standardizing procurement specifications

*Enabling supply chain efficiency*

# Utilizing QRS to Add Value

## by the IOGP Quality Network

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# Utilizing QRS to Add Value

## Agenda

1. What is the QRS
2. Business value
3. Implementation
4. Barriers to implementation
5. Success factors to aid implementation
6. Q&A



# 1. WHAT is the QRS

1

QRS is one document in a standardized procurement package that also contains the: Technical Specification, Data Sheet, And Information Requirements



2

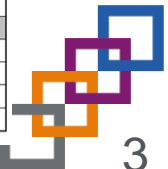
The QRS guides the ITP development by defining which intervention activities and to what degree the purchaser will participate in specific quality activities



3

Flexible set of interventions based on risks within a standardized template

	PURCHASER ASSESSMENT ACTIVITIES	RISK LEVEL			
		A	B	C	D
<b>1</b>	<b>Operational planning and control activities</b>				
1.1	Attend Pre-production meeting	H	W	S	-
<b>2</b>	<b>Design and development activities</b>				
<b>2.1</b>	<b>Final design</b>				
2.1.1	Attend final design review meeting	H	W	-	-
<b>2.2</b>	<b>Manufacturing qualification</b>				
2.2.1	Forging qualification	H	W	-	-
	Casting qualification				
	Welding qualification				
	Coating qualification				
	NDE qualification				
<b>3</b>	<b>Control of external supply</b>				
3.1	External supply scope, if applicable	H	W	S	S
<b>4</b>	<b>Production and service provision</b>				
<b>4.1</b>	<b>Inspection and test as per Spec</b>				
4.1.1					
<b>4.2</b>	<b>Component manufacture</b>				
4.2.1					
<b>4.3</b>	<b>Sub-assembly</b>				
4.3.1					
<b>4.4</b>	<b>Assembly</b>				
4.4.1					
<b>4.5</b>	<b>Final test (FAT?)</b>				
4.5.1					
<b>5</b>	<b>Release of product or service</b>				
<b>5.1</b>	<b>Verify conformance to the purchase order including as applicable</b>				
5.1.1	Verify handling and preservation				
5.1.2	Verify lifting certificates <i>etc</i>				
5.1.4	Release equipment				



# 2. Business Value Summary

- **Shorter engineering and procurement cycles**
- **Improved consistency and efficiency**
- **Clear requirements to suppliers**
- **Enables improved business processes:  
digitalization, automation**



# 2. Business Value

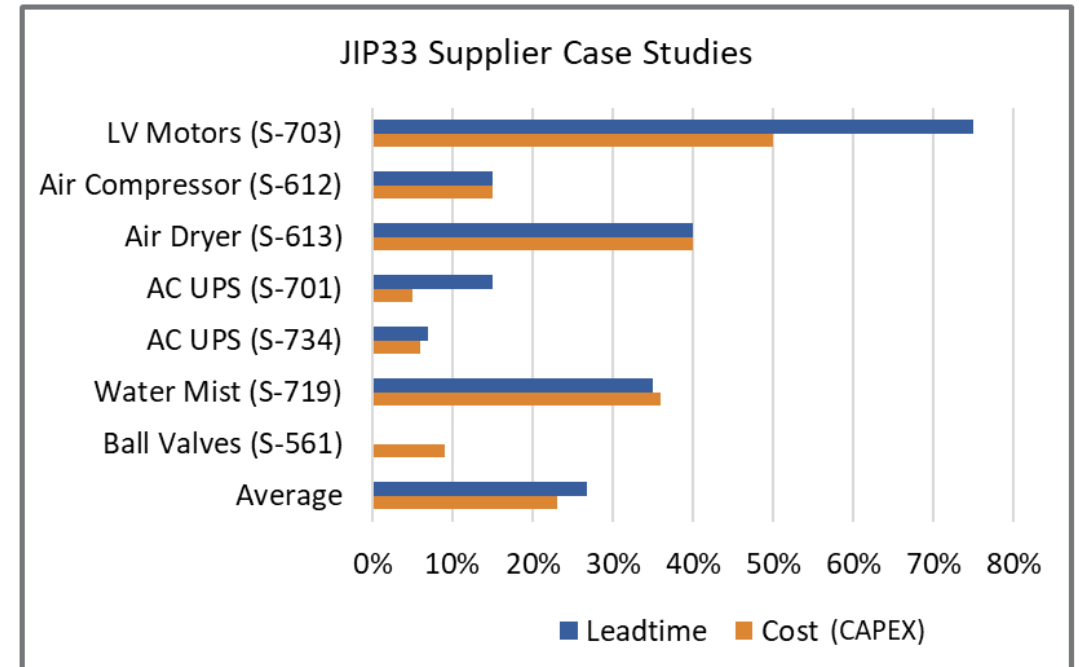
## Measured Value IOGP has observed

**Up to 30% reduced hours**

in upfront hours for supplier and purchaser

Reduced engineering hours for both the supplier and purchaser (varies per product line)

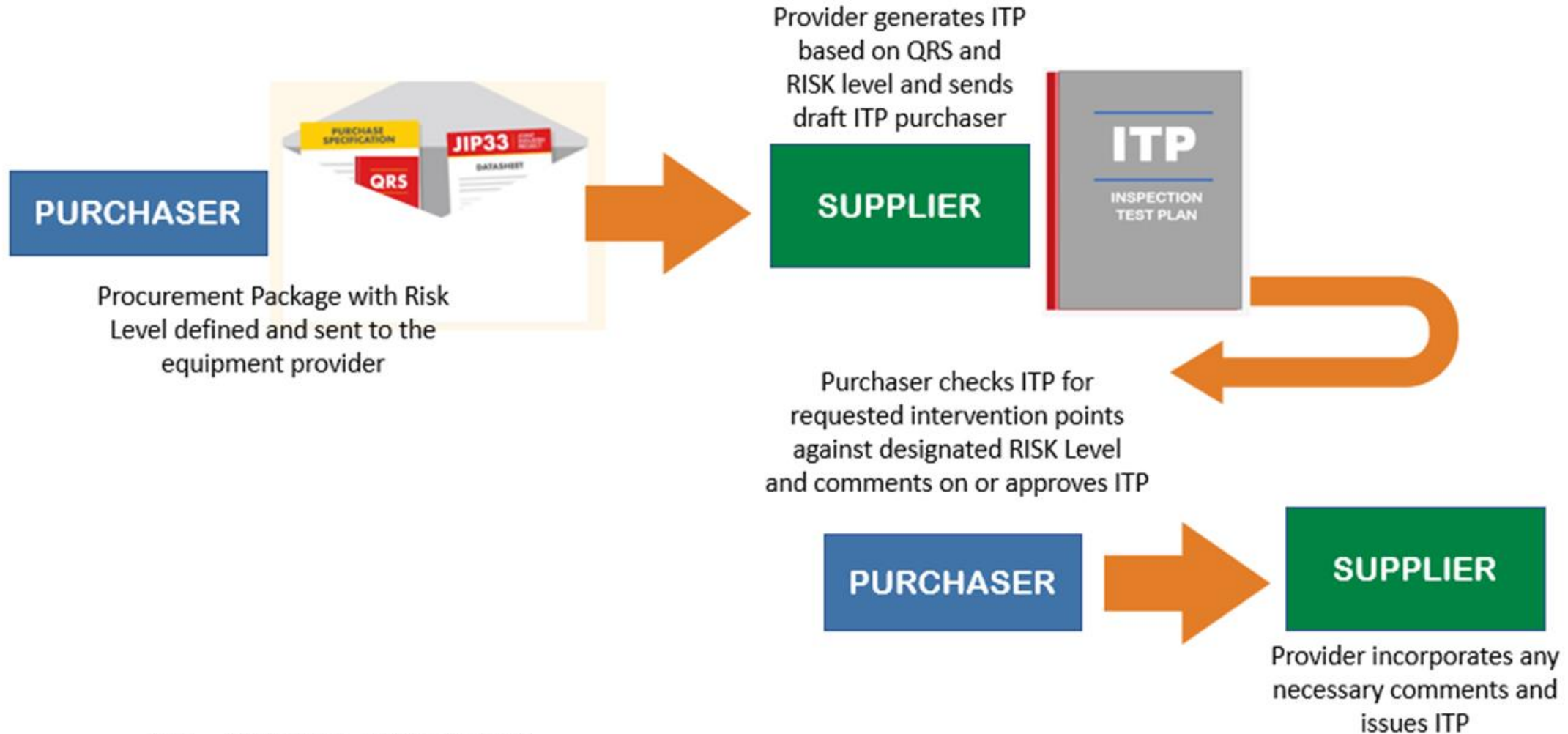
- Reduced hours for clarifications
- Simplified engineering design from standard specification
- Some products have greater savings than others



7 Case Studies - manufacturing companies on the standardized specification against operator specifications

# 3. Implementation

## QRS workflow through supply chain

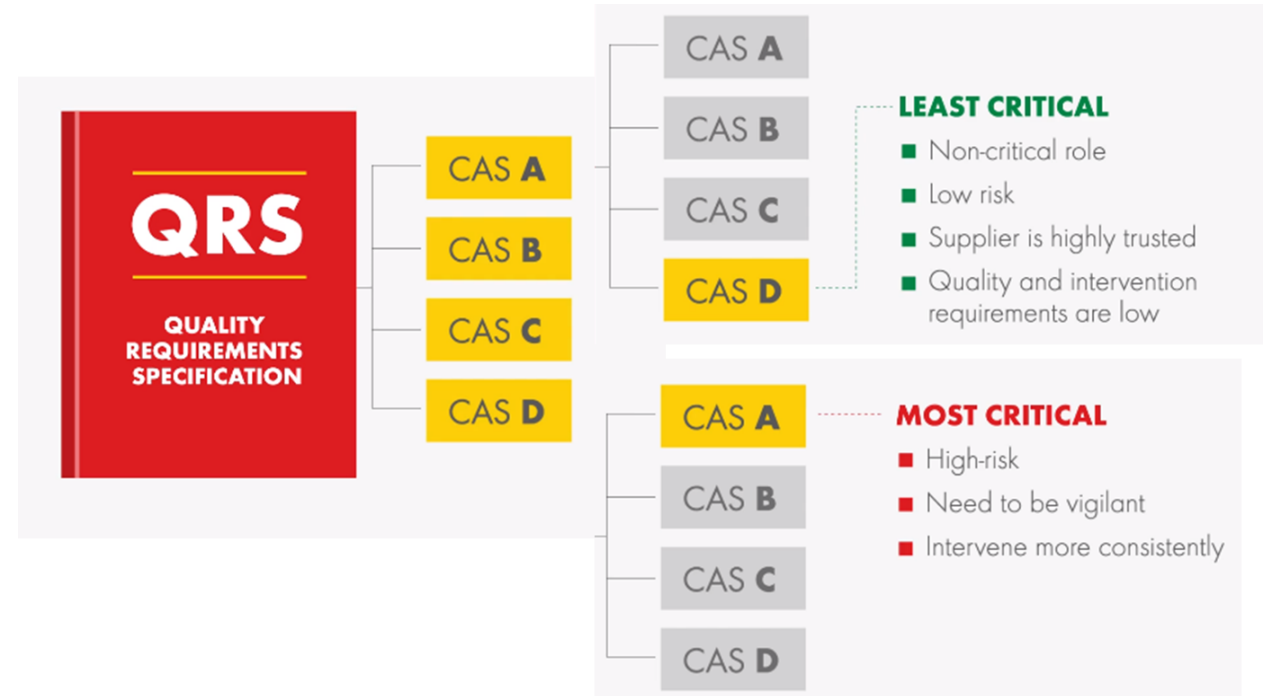


ITP – Inspection and Test Plan

# 3. Implementation

## Scalable based on Risk

- CAS level is determined by the purchaser using the purchaser's internal process for assessing risk
- CAS defines the intervention level as A, B, C, D



# 5. Success Factors to Implementation

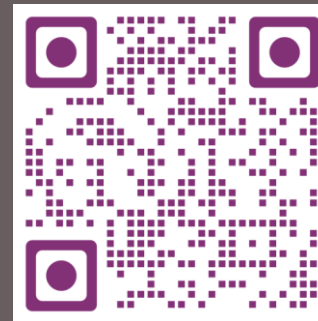
- **Scalable** – Interventions based on Criticality/Risk
- **Embed** - Embed the JIP33 requirements in Contracts and/or Frame Agreements
- **Link** - Link the Quality Requirements to Technical and Information Requirements
- **Training** -
  - Take advantage of IOGP awareness training
  - Utilize Implementation Guide and Video (training)
- **Consistency** -
  - Purchaser's use JIP33 without overlays
  - Keep the brand identity of JIP33 so that the supplier can recognize the specifications as JIP33



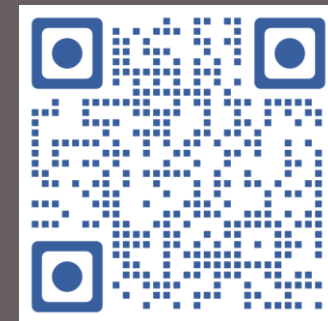
# Q&A

Please tell us what information you are interested in by filling in an information card.

QRS Guidance Materials



Guide



Video