

# SPIR technical support

#### Supplier guidelines – Training

This document is aimed to summarize the document ITN01303, please refer to it for further information.

Spir Asset Management Lifecycle Team

## **Spir Definition**

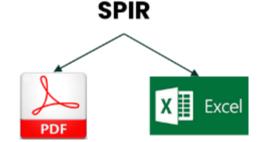
The SPIR is a standard report that Baker Hughes requires to supplier before and not later with material delivery.

SPIR is the acronym of Spare Parts Interchangeability Report. SPIR contains all technical and commercial information related to spare parts (assembly and sub-items).

SPIR must be supplied according rules defined in ITN01303, the official BH document which contains all technical details.

Each SPIR must be uploaded on iSupplier Portal and must include:

- 1. Drawing describing the scope of supply (sectional, assembly, outline...)
- 2. Excel format file filled with part list with sectional drawing cross reference





#### ITN01303

It is the technical document where requirements for spare parts of purchased items are defined.

Supplier agreed to prepare SPIR in order to allow BH to have all necessary info to maintain the units of final customers

ITN01303 details what a SPIR means, how to prepare and which spare parts are required according type of purchased item.

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### How to supply the Spare parts information

When Spir is received below checklist has to be used to verify completeness:

- Supplier must use the defined Excel Standard format
- The following fields are mandatory:
  - Supplier Name (excel cell C5)
  - Offer # (excel cell C6)
  - Offer validity (excel cell C7)
  - Issue date (excel cell E6)
  - Currency (excel cell E7)
  - Item code (excel cell L5)
  - PO number (excel cell L7)

Form 05-2019							Offerta parti di ricambio Spare Parts Quotation							
	FORNITORE - Supplier's Name		CODICE NP DEL FORNITORE Supplier code #				CODICE NP DELL'OGGETTO INTERO FORNITO Nuovo Pignone p/n of the wholly assembled item/equipment							
	OFFERTA N* · Quotation No.		DATA EMISSIONE- Issue Date			IMBALLAGGIO - Pa	acking		MODELLO DE FOR					
	VALIDITA' - Quotation Validity		VALUTA - Currency		RE	SA FRANCO - Deliv	very Point		ORDINE N.P.	(o R.D.O.) - N.P.Order				
	CODICE MATERIALE FORNITORE	DESCRIZIONE	DISEGNO D'INSIEME	MARCA SUL DIS.	DISEGNO BHGE P&I BHGE P&I Q.TA' Install.  Bern on BHGE			Q.TA' Consigl.	Q.T.A' Fornita Quantity supplied with Main	PREZZO UNITARIO				
	Supplier part number	Description 2	Assembly drawing	Item on ass.y drw	BHGE P&I drawing 3.1	P&I drw	Installed quantity	quantity	Equip.	Unit Price				
1				•	9,1	7.1	3	3	9.1					
2														

**All columns from 1 to 15 must be filled.** Column 3.1 and 4.1 only in case item has reference with P&I.

#### Remember:

Assembly drawings must always be attached and the information must match with column 3 and 4 of the excel format.



## How to fill the excel Spir format

Column 1: Supplier P/N -> Univocity is mandatory (same supplier P/N must indicate the same physical part)

Column 2: Item Description (a detailed and self-explanatory description is required)

Column 3: **Assembly Drawing** (it is the drawing where the spares can be identified)

Column 4: Item on ass.y drw (it is the reference item on assembly drawing)

Column 5: Installed quantity (it is installed quantity on each equipment)

Column 6: Recommended quantity (it is suggested quantity for each equipment)

Column 7: **Unit Price** (it is unit price for each spare part)

Column 8: **Delivery weeks** (it is delivery week for each spare part)

Column 9: Manufacturer's name (it is the name of equipment original manufacturer)

Column 10: Manufacturer's P/N (it is the P/N of equipment original manufacturer)

Maintenance Plan Section (See chart 6)

Column 11: Operational Spares

Column 12: Frequence Interval

Column 13: Critical Spare

Column 14: Min Q.ty Supplied

Column 15: Main items serial number (it is the serial number of main equipment the spare part is referred to).



# How to fill the excel Spir format (Maintenance Plan)

#### Column 11: Operational Spares

- It is the quantity suggested for Normal Operation activity when a replacement after specific time period can not be planned.
- They are spare parts without a defined life-cycle, to be kept at stock to grant availability
- When populated it must be equals to Column 6 Recommended Qty

It is alternative to Column 12

#### Column 12: Frequence Interval

• It is the expected # of running hours before the item needs to be replaced (based on 8000 hrs/year) It is alternative to Column 11

#### Column 13: Critical Spare

It is a flag related to spare part criticality and its value can be:

O = Obsolescence Risk ... the part can become obsolete shortly

S = Shut down Risk ... the part is strictly necessary to assure operation continuity

B = Both above reasons

#### Column 14: Min Q.ty Supplied

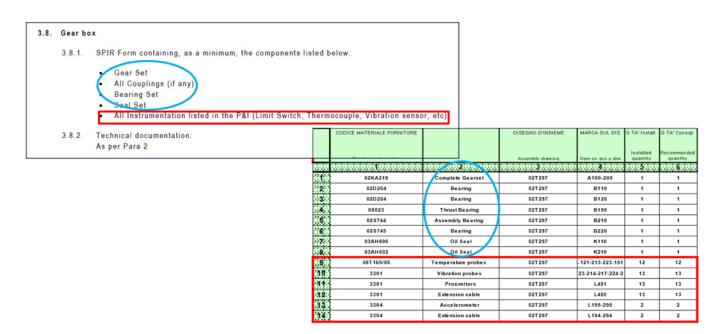
It is the minimum quantity to be supplied (to be filled if different from 1)



### Which parts are to be filled in the Spir

# ITN01303 defines the guideline to supply spare parts list according to type of purchased auxiliary item:

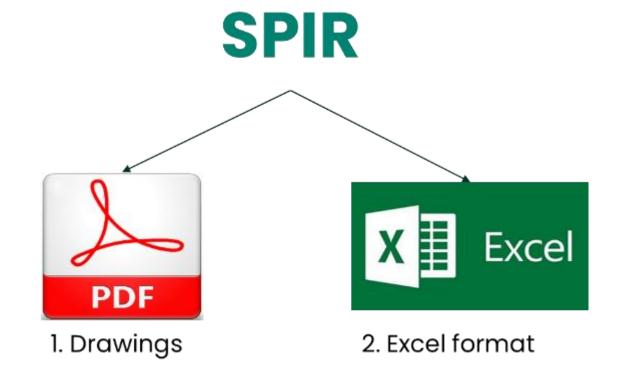
- Dedicated sections are shown in the document to detail the minimum list of spares to be provided
- P&I diagrams is reference document for each main item that include instruments in scope of supply





#### Remember SPIR is composed by:

- 1. Drawings
- 2. Excel format
- → Upload together excel format and pdf drawings





Missing Drawing (column 3) and Balloon Number (column 4)



fees 2002	Baker Hughes	Nuovo Pię	gnone	C	Offerta parti di ricambio					Spare Parts Quotation					
	FORMITORS - Supplier's Mem	SUPPLIER 1	CODICE HP DEL FORMITORE Supplier cade #	123456	PAGAMEN	10 · Faymant	12+11	Serve C	MAITO	SKO1234567		. CREEVER!!			
	OFFERTA M' - Contolina Me.	SPIN QUOTE 1	DATA EMISSIONE- bres	24/3/2010		LAGGIO -		DELL'OGGETTO INTERO		******	hard on 1000h/year Machine Operationy				
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4	SUP1 A4	SET OF BEARING FOR PUMP			2		200		SUPPLIER 3	SUP3 AZ		40000		•	IN PI
5	EUP1 AS	SET OF GASEETS FOR PUMP			2		200		SUPPLIER 3	TUP3 A3					INFI
6	EUP1 A6	MECHANICAL SEAL			2		100		EUPPLIER 3	SUP3 A4		36000			EN PI
7	SUP1 AT	FRITER ASS.Y					1500		SUPPLIER 4	SUP4 A1					SMFI
8	SUP1 A8	FILTER CARTRIDGE				•	200	8	SUPPLIER 4	SUP4 A2		16000			SMT
9	SUP1 A9	SET OF GASEETS FOR FILTER			8		200	2	SUPPLIER 4	SUP4 AS		16000			SMF
10	EUP1 A10	SET OF GASEETS FOR SEID			1	1	500	2	SUPPLIER S	EUPS AT		48000			

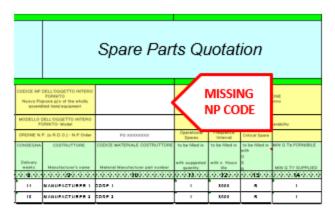


fare 2862	Baker Hughes	Nuovo Pię	gnone	(	ricambio					arts Quotation					
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#### Missing / Wrong NP Code in excel SPIR header







	Spare Parts Quotation									
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	DELL'OGGETTO INTERO ORNTO- Model			XXXX	СХХ		Е			
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Spare Parts Quotation								
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18	MANUFACTURES 2	nne a	١	2000		1		



#### Missing Main item Spares – Sub supplier quotation



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### **Supplier SPIR Pillars**

- OTD: SPIR must be deliver with Material Delivery
- Completeness/Quality: SPIR accepted only if 100% completed and compliant to ITN01303
- 1 NP Code + PO line with 09N = 1 SPIR
- SPIR recipient: iSupplier Portal <a href="https://Oscar.bakerhughes.com">https://Oscar.bakerhughes.com</a>

In case of clarification the SPIR BH Supplier Service would help you acost.serm@bakerhughes.com

# Baker Hughes >