Work Instruction

MES-NC OASIS Training (SMRRs)

Purpose

Use this procedure to submit an electronic nonconformance document.

Trigger

Perform this procedure when a nonconformance requires Aerospace Systems Program MRB disposition.

Prerequisites

OASIS user name and password with access to MES-NC

Menu Path

• OASIS; Aerospace Systems, MES-NC.

Application MES-NC

Helpful Hints

For questions on usage, please contact your Northrop Grumman Buyer

Changes to OASIS MES-NC Effective 11/24/2014: Project ID instead of Model Process Code is defaulted to X90 for Airborne sites **MES-NC**

Procedure

1. Start the process by logging into the OASIS portal.

Please reference <u>OASIS_Portal_FAQ.pdf (northropgrumman.com)</u> for portal login and supplier onboarding instructions.

OASIS Portal



Supplier Code: 90053348 ser: ROGERS, IAN M [US] (AS) RCI Test Supplier 999999 El Segundo Palmdale New Town, ND F-35 JOINT STRIKE FIGHTER F-5B/T-38 TIGER/TALON F/A-18 HORNET **B-2 SPIRIT** STS-12 Rancho Bernardo **RQ-4B GLOBAL HAWK** BQM-74/34 TARGETS X-47B J-UCAS CHUKAR TARGETS **Moss Point** MQ-8 FIRESCOUT **Space Park** St. Augustine Bethpage Melbourne E-2C HAWKEYE E-2D ADVANCED HAWKEYE EA-6B PROWLER EA-18G GROWLER E-8C - JSTARS LEMV AN/AES1 - ALMDS

MES NC Home Page

2. Select the Site based on product.

i

Product and Site can be determined by locating the Project ID on the NGAS PO line item, and then looking it up on the Definitions and Project ID document on OASIS.

NORTHROP GRUMMAN				
Space Park				
Site Index				
User: Casey, John Supplier Code: 199999999 Hello TEST ONLY				
🏷 Create NC Tag 🛛 🏷 View NC Tag				

3. Select Create NC Tag to initiate a tag or View Existing Tag to see previously submitted tags.



The following steps have tables with a column titled 'R/O/C'. The definitions are:

- $\mathbf{R} = \text{Required}$
- **O** = Optional
- **C** = Conditional

Additionally, all required fields are identified with an asterisk on the screen $\mbox{Create Non Conformance Tag}$ -

NORTHROP GR	UMMAN	
St. Au	gustine Mock	
Site Index > St. Augustine Mook		
Create NonConformance	e Tag	
High Priority		
Supplier Name	NORTHROP GRUMMAN SYSTEMS CORP	
Supplier Address	6377 SAN IGNACIO AVE SAN JOSE, CA 95119-1200 95119-1200 US	$\hat{\mathbf{C}}$
Supplier Code	0090055483	
*Part Number		
*Purchase Order No		
Item No (PO Line Num)		"Northrop Grumman" Purchase Orders ONLY.
*Sales Order / Network (Go Num)		For all others, contact your Customer Contracts
*Project ID	JWSTX 🗸	Administrator for direction
*Production Lot Size (Qty Rec)		
*No of Pieces Submitted (Qty Rej)		Note: Enter Project ID from
Supplier Contact Info		your NGC Purchase Order
*Name:	Feldmeier, Billy	
*Phone:	(321) 951-5152	
*Fax:		
*E-Mail:	william.feldmeier@ng	
	Next >>	

4. As required, complete the following required fields:

Field Name	R/O/C		Description	
Part Number	R	Enter the AS Part Number from the PO. Example: 123BM50003-11 Note: PO part number may be substituted with <u>detailed</u> <u>part</u> number with MRB Chair authorization. Candice Hessian (310) 332-8278 candice.hessian@ngc.com		
PO Number	R	Enter the AS Example: Note:	PO Number. 2846228 "Northrop Grumman" Purchase Orders ONLY. For all others, contact your Customer Contracts Administrator for direction.	

PO Item	R	Enter the PO Item number
		Example: 1

PO view of Sales Order/ Network

/Description	Contract Delivery Date	Quantity	UM	Net Price	Extended Amount	
/150003- <mark>1</mark> 1			0	EA	127.50	765.00
ng: DOA1						
structions: S	SCATS					
ision Level:	123BM50003-11,B01					
E:						
TEXT:						
S and Ret	rieve the Appropri	ate Tecl	hnical	Data Pack	age (TDP)	
): E2DXX - I	<u>=-2D</u>					
<mark>): E</mark> ner	2DXX - 1	E2DXX - E-2D	EDXX - E-2D	EDXX - E-2D	2DXX - E-2D at Prime Contract Number: N00019-13-C-9999	2DXX - E-2D at Prime Contract Number: N00019-13-C-9999

CHARGE NUMBER TEXT:

CONTRACT:N00019-13-C-9999 NETWORK:KB2260701 ACTIVITY:3360 QUANTITY: 1.000 CONTRACT:N00019-13-C-9999

Sales Order/ Network (Go Num) Network	R	Enter the Network from the PO line item (see picture above, underlined in red) Example: KB2260701
Project ID	R	Select the Project ID from PO (see picture above) Example: E2DXX
Production Lot Size	R	Enter the number of parts on the shop order or your lot size Example: 1

No. of Pieces Submitted	R	Enter the total quantity of discrepant parts being submitted for NGAS Material Review
		Example: 1

Supplier Contact Info		
Name	R	Enter the name of person to contact if there is a question from NGAS MRB Example: John Smith
Phone	R	Enter the phone number of person to contact if there is a question from NGAS MRB Example: (999) 999-9999
Fax	R	Enter the FAX number of person to contact if there is a question from NGAS MRB or if documents need to be transmitted Example: (888) 888-8888
E-Mail	R	Enter the email of person to contact if there is a question from NGAS MRB or if documents need to be transmitted Example: jsmith@somewhere.com

Create Discrepancy #1

one maex + or Augustine mo	vn	
Create Discrepa	ancy (part#: CCAW)	
*PART NO	CCAW	
SERIAL NO		
LOT NO / LDC		
*SHEET/PARAGRAPH		
*ZONE		
*QTY REJ/DEF	0	
Process Code:	X90 - EXTERNAL SUPPLIER / External supplier furnished hardware	\sim
Defect Code:		\sim
*Disc Text:		
	~	
	~	
Corrective Action:		
	^	
	~	

Add Cancel

5. As required, complete/review the following fields:

Field Name	R/O/C	Description
Part No.	R	This field will be filled with the part number from the first screen. If the hurt part is different, then enter it here.
		Each discrepancy may have a different part number, as long as it is a detail of the PO part number on the first screen

Serial No.	0	Enter serial number; if applicable This field is small. If you are submitting the same nonconformance for all serial numbers, then put the serial numbers in Disc. Text.		
		lf each load s Example:	serial number has a different discrepancy, then erial numbers individually; per discrepancy S0001 or N/A	

Field Name	R/O/C	Description		
Lot No.	0	Enter Lot Number; if applicable		
		If multiple lots, see comments on Serial Number above for input strategy.		
		Example: 444444 or N/A		

Create Discrepancy #1

*PART NO	CCAW
SERIAL NO	
LOT NO / LDC	
*SHEET/PARAGRA	PH
ZONE	
QTY REJ/DEF	0
Process Code:	X90 - EXTERNAL SUPPLIER / External supplier furnished hardware
Defect Code:	
Dia Tant	

Corrective Action:	*	
	~	1
	>	

Add Cancel

6. As required, complete/review the following fields:

Field Name	R/O/C	Description
Sheet/ Paragraph	R	Enter the drawing sheet number where discrepant dimension appears
		Example: 1
		Note: Enter N/A if not applicable
Zone	R	Enter drawing zone of above sheet Example: 2B Note: Enter N/A if not applicable

QTY REJ/DEF	R	Enter quantity of parts for this discrepancy. Remember the input strategy being used, one per or multiple parts Example: 1
Field Name	R/O/C	Description
Process Code	R	Airborne Sites are defaulted to "X90 External Supplier". For Space Products select the appropriate category
		Note: Based on the Site selection from the home page Airborne or Space Process Codes will be presented.
Defect Code	R	Select the appropriate defect code from the pull down list using the defect definitions provided.
		Example: 2130-Dimensional/ Part characteristics are out of tolerance
Disc. Text	R	Enter the discrepancy using the Should Be per drawing dimension and $S/B = 0.00 \pm 1000$
		IS condition of part(s) 1.025
		Note: Appendix A contains guidance on Discrepancy Definition and Information Needed for NG engineering to perform the analysis and disposition determination.
Corrective Action	0	Add a corrective action statement specifying the root cause and actions taken to prevent recurrence.

7. Click on Add for the first discrepancy.

View of an on-line tag of Discrepancy #1

	/			Space	Park			
Site Index > Sp	ace Park	> Load	INC					
Disc# 1 💌	GO		Add Discrepa	ancy	Remov	re Discrepancy	F	inish
Supplier M	aterial	Revi	Aerospace Sys ew Report	tems Sector	1) SMRR No O). 2) 1	^{Sheet} Of 1	2a) Revision
3) Supplier TEST ONLY ·	1 NORTH EL SEGU 90245 US	IROP AN INDO, C	/E A 90245		3a) Suppli 199999	er Code 99	4) Date	
^{5) Part} C92157-1		6) Co	mplete part name			7) Serial No N/A		
^{8) PO №} 7211111	8a) Ite 1	m No	9) Purchase order	delivery date	10) Proj No STX7E4466	11) Model 35K CRYC	COOLER	12) Vehicle No 00001
13) Production Lo	t Size 1	4) No of	Pieces Submitted	15) Goverment	Inspection	16) Material Lo	cation	17) Crit Code
18) Description Part No: C921 Lot / LDC: N/A Sheet/Paragraph Zone: 2B QtyRej: 1 Text: Blue print	57-1 1 dimen	sion	should be 1	00 +/	010 dimensio	on actully is 1	.025	
23) Disposition T	ext							



8. Click on the appropriate button to create each additional discrepancy (repeat steps 5 & 6) or remove one with the Remove Discrepancy button.

Click on the Finish button when you are done entering data.

Windows	Internet Explorer		×
?	You are about to submit a nonco	onformance request, do you	wish to continue?
	ОК	Cancel	

System message displays. Click OK to continue.

NORTHROP GRUMM	4N			
Space	Park			
Site Index > Space Park > Load NC				
Disc# 2 GO		I Attachn	nents	
Aerospace Systems Sector Supplier Material Review Report	1) SMRR No. 385	2) Sheet 2 of 2	2a) Revision	
3) Supplier 1 NORTHROP AVE TEST ONLY - EL SEGUNDO, CA 90245 90245 US	3a) Supplier Code 199999999	4) Date 2011-1	1-18	
6) Part 6) Complete part name C92157-1	7) Ser N/A	rial No		
8) PO No 8a) Item No 9) Purchase order delivery date 7211111 1	10) Proj No STX7E4466	11) Model 35K CRYOCOOLER	12) Vehicle No 00001	
13) Production Lot Size 14) No of Pieces Submitted 15) Government I 1 1	nspection	16) Material Location	17) Crit Code	
18) Description Part No. C92157-1 Lot/LDC: N/A SheetParagraph: 1 Zone: 2B QuyRej: 1 Text: Blue print dimension should be 2.00 +/0	10 dimension ac	tually is 2.030		
23) Disposition Text				

This screen has the MES-NC tag number, for future reference

9. If you have an attachment to submit, click **Attachments** to include sketches/graphical files. The file types allowed in MES-NC are; .gif, .bmp, .jpg, .tif, .tiff and .pdf.

🚰 Attachments - M	Aicrosoft Internet I	xplorer provided by Northrop Gru	mman Corporation			
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Unclassified NGGNetwork	File name:	Open
	Files of type: All Files (*.*)	Cancel

Choose file from your computer or server

Choose file



Click on a file to attach, 🔊 usaribbon.gif

10. Click Open

Attachments

🗿 Attachments - M	ticrosoft Internet Explo	rer provided by North	rop Grumman Corp	oration				_ & ×
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13. Click To verify the correct file is attached. If any other files require attaching, repeat steps to add additional attachments.

View of attached file

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14. Click X to close view window.

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15. When done attaching all files; Click Heack

SMRR

/	_			Spac	e Par	k			
Site Index > Space	e Parl	t > Load N	ic.						
Disc# 1 •	GO						U A	ttachr	nents
Supplier Ma	teri	al Revi	Aerospace Sys ew Report	stems Sector	1) S	MRR No. 385	2)Sh 1 0	eet f 2	2a) Revision
3) Supplier TEST ONLY -	1 NO EL SI 9024	RTHROP / EGUNDO, (5 US	4V CA 9024		38) Supplier Code 9999999		4) Date 2011-11	1-18
^{5) Part} C92157-1		6)0	Complete part name			7) Ser N/A	rial No	1	
8) PO No 7211111	8a 1	a) Item No	9) Purchase order	delivery date	10) Proj No STX7E	4466	11) Model 35K CRYOC	OOLER	12) Vehicle No 00001
13) Production Lot S 1	lze	14) No of	Pleces Submitted	15) Goverment I	nspection		16) Material Locatio	n .	17) Crit Code
Lot/LDC. N/A SheetParagraph 1 Zone: 2B GtyRey: 1 Text: INITIATOR: (321) FAX: (321) E-Mail: john.casey@ Blue print (1.025	Cas() 9: 752- ngc dime	ey, Joh 51-6038 -8500 .com ension	n should be 1.	00 +/01	0 dimens	ion actul	ly is		
23) Disposition Text									

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Now would be a good time to print the document for future reference. The document will not be

NORTHROP GRUMM	4~		
Space	Park		
Stte Index > Space Park > Load NC		II Attack	nments
Aerospace Systems Sector Supplier Material Review Report	1) SMRR No. 385	2) Sheet 1 of 2	2a) Revision
3) Supplier 1 NORTHROP AV TEST ONLY - EL SEGUNDO, CA 9024 90245 US	3a) Supplier Code 199999999	4) Date 2011-	11-18
5) Part 6) Complete part name	7) Seria	i No	

viewable once NGAS starts working on it and until disposition has been completed.

16. Use Hyperlinks on Title bar to navigate

MES NC Home Page



The following are instructions for viewing a previously submitted tag and statuses. Click the Site where tag was submitted.

NORTHR	OP GRUMMAN	
/	Space Park	
Site Index		
User: Casey, John Hello TEST ONLY	Supplier Code: 19999999	
Create NC Tag	View NC Tag	

17. Click "View NC Tag"

ORTHROP	GRUMMAN	
	Space Park	
Index > Space Park		
No:	load search 🗆 Show All	

Search Results

			Un Uninn			
/	/		Space	Park		
Site Index	> Space Par	k				
Tag No:			load search In	ow All		
Tag No	Status	Date	Model	Part No	Callboard	Call Date
124	MF	2011-10-18	DSV	2A142-221V-001	SUPPLIERWEB	2011-11-07
143	PR	2011-10-20	DSV	2A142-221V-001	PQE PR	2011-11-18
201	EN	2011-10-28	ARGON	C923157-1	ENGINEERING	2011-11-22
233	PR	2011-10-31	4171	C923157-1	SUPPLIERWEB	2011-11-15
237	EN	2011-11-01	P982	ALH545-011K-001-802	ENGINEERING	2011-11-01
238	PR	2011-11-01	B2	ALH545-011K-001-802	PQE PR	2011-11-18
263	EN	2011-11-02	P982	FI80969-2	ENGINEERING	2011-11-08
271	EN	2011-11-02	P982	DC931015-1	ENGINEERING	2011-11-14
274	PR	2011-11-02	JAGUAR	F180969-2	PQE MRB	2011-11-21
276	MR	2011-11-02	P982	F180969-2	PQE MRB	2011-11-22
277	EN	2011-11-02	JWST	FI80969-2	ENGINEERING	2011-11-04
278	EN	2011-11-02	JWST	000066	ENGINEERING	2011-11-05
284	PR	2011-11-04	AEHF	ALH545-011K-001-802	PQE PR	2011-11-21
305	MR	2011-11-07	AEHF	01AN00102N01-800	PQE MRB	2011-11-21
321	PR	2011-11-08	AEHF	775705-3-200	PQE PR	2011-11-21
322	MR	2011-11-08	AEHF	2A142-221V-001	PQE MRB	2011-11-21
345	EN	2011-11-09	AEHF	1A124-001U-001	ENGINEERING	2011-11-10
351	PR	2011-11-10	P982	DC931015-1-900	ENGINEERING	2011-11-10
385	П	2011-11-18	35K CRYOCOOLER	C92157-1	SUPPLIERWEB	2011-11-18

19. Select tag to review Tag is displayed

Site Index > Space Park > Load NC



Supplier Ma	iterial Re	Aerospace Sy view Report	stems Sector	1) SM	RR №. 85	2) Sheet 2 of 2	2a) Revisio
3) Supplier TEST ONLY -	1 NORTHR EL SEGUNE 90245 US	P AV D, CA 9024		3a) 199	Suppiler Code 999999	4) Date 2011	-11-18
5) Part C92157-1		5) Complete part name		1	7) Se N/A	rial No	
8) PO № 7211111	8a) item N 1	9) Purchase orde	r deilvery date	10) Proj No STX7E4	466	11) Model 35K CRYOCOOLE	R 12) Vehicle No
13) Production Lot S 1	ize 14)) 1	o of Pleces Submitted	15) Goverment in	spection		16) Material Location	17) Crit Code
18) Description Part No: C9215 Lot / LDC: N/A Sheet/Paragraph: 1 Zone: 2B	7-1						
18) Description Part No: C9215 Lot / LDC: N/A Sheet Paragraph: 1 Zone: 2B QtyRej: 1 Text: Blue print	7-1 dimensio	n should be 2.	.00 +/01	0 dimensi	on actua	11y is 2.030	
18) Description Part No: C9215 Lot / LDC: N/A Sheet Paragraph: 1 Zone: 2B QtyRej: 1 Text: Blue print 23) Disposition Text	7-1	n should be 2.	.00 +/01	0 dimensi	on actua	11y is 2.030	
18) Description Part No: C9215 Lot / LDC: N/A Sheet/Paragraph: 1 Zone: 2B Cty/Rej: 1 Text: Blue print 23) Disposition Text 23) Disposition Text	7-1 dimensio	n should be 2	.00 +/01	0 dimensi	on actua	lly is 2.030	

When a tag has a disposition applied it will be displayed in the Disposition Text field

Definition of tag status for each tag is displayed. An error will occur stating 'cannot load' for any status as indicated below with a No.

Code	Definition	Viewable by supplier	Acceptable to Ship
П	Inspection Initiate	Yes	No

MC	Manufacturing concurrence	No	No
PR	Preliminary Review	No	No
MR	Material Review	No	No
EN	Engineering Material Review	No	No
CU	Customer	No	No
MF	Manufacturing rework	Yes	No
CL	Closed	Yes	Yes
IS	Inspection supersede	No	No
VD	Void	Yes	No
ID	Interim Disposition	Yes	No
SI	Special Installation	No	No

Note: supplier is only authorized to ship with a CL "Closed" status unless directed by MRB and/or Buyer

Result

You have a permanent record in OASIS/ MES-NC for this deficiency. You may inquire this record at any time.

Comments

None

Appendix A- Guidance on Discrepancy Definition and Information Needed

General Requirements for Discrepancy Definition Part Number Part Title Part Description LH / RH

Upper / Lower

The following supplemental information will aid in the analysis for a proper disposition and enhance the tag turnaround time. Sketches and photographs with clear accurate annotations are encouraged and may be necessary to adequately transmit a through description of discrepancies. Location

- Dimension from Drawing Hole
- Dimension from Cut-Out
- Station and Chord (Composites)
- OML / IML (Wing-Composites)
- Dimension from EOP (Composites)
- Dimension from Ply Drop (Composites)

Photographs

- Focus
- Clear
- Axes/Orientation

Sketches

- Clear
- Axes
- Reference Points/Orientation
- Scale (as necessary)
 <u>Appendix A- Guidance on Discrepancy Definition and Information Needed</u>

Additionally, for the defect types highlighted below the specific information needed is also key in expediting the proper disposition:

Defect Type	Defect-Specific Information Needed					
HOLES						

Extra Hole	Actual Size	Minimum Edge distance and Pitch distance		
Short edge distance	Minimum Edge distance and Pitch distance	Actual part thickness		
OOT Holes	Elongated or True and Round?	Actual Size (Max/Min for elongated)	Minimum Edge distance and Pitch distance	
Double Drilled Holes	Pitch distance or Max width if intersected	F	Minimum Edge distance and Pitch distance	
Deep countersink	De pth	Fastener	Actual part thickness	
COMPOSITE SPECIFIC				
Delamination	Length X Width X Depth	Distance to edges	Distance to nearest fasteners	
Fiber Splitting	Length X Width	Ply Depth		
Unbonds	Length X Width X Depth	Distance to edges	Distance to nearest fasteners	
Fiber orientation error	Ply type	Ply # affected and/or OML vs. IML		
Missing plies	Ply type	Ply # affected and/or OML vs. IML		
Torn Copper Mesh	Length X Width	Distance to edges	Distance to nearest fasteners	Is NDI acceptable?
Porosity	Length X Width	Depth, if determinable	dB level to penetrate, if subsurface	
GENERAL				
Gouges	Length X Width X Depth	Distance to edges	Distance to nearest fasteners	Is NDI acceptable?
Indentations	Length X Width X Depth	Distance to edges	Distance to nearest fasteners	Is NDI acceptable?
Misplaced parts	Amount and direction of mis-location	Edge distances and pitch distances		
Electrical Conductivity OOT	Actual conductivity			
OOT Trim	Edge distances on affected fasteners			

Interference	Length X Width X amount of		
	interference		