GENERAL DYNAMICS Land Systems

Delegation Training

About General Dynamics

Our Businesses

DELIVERING INNOVATION

Our portfolio spans the realm of the world's most technologically advanced business jets, wheeled combat vehicles, command and control systems and nuclear submarines. We offer these through our five business groups: Aerospace, Combat Systems, Information Technology, Mission Systems and Marine Systems.

Learn more about our businesses at the links below.



AEROSPACE
GULFSTREAM >
JET AVIATION >



COMBAT SYSTEMS

EUROPEAN LAND SYSTEMS >

LAND SYSTEMS >

ORDNANCE AND TACTICAL SYSTEMS >



MARINE SYSTEMS
BATH IRON WORKS >
ELECTRIC BOAT >
NASSCO >



INFORMATION TECHNOLOGY



MISSION SYSTEMS



About Combat Systems

Combat Systems

COMBAT SYSTEMS IS A GLOBAL LEADER IN DESIGNING, MANUFACTURING AND INTEGRATING SOME OF THE WORLD'S BEST-PERFORMING LAND COMBAT MACHINES.

Our facilities around the world produce wheeled and tracked combat vehicles, to include the Stryker family of vehicles and the Abrams main battle tank. This platform portfolio is supported by a broad range of high-performance weapons systems and munitions.



GENERAL DYNAMICS

European Land Systems

European Land Systems is a global leader in the design and manufacture of wheeled and tracked vehicles and bridge systems.

LEARN MORE >



GENERAL DYNAMICS

Land Systems

Land Systems delivers powerful military vehicles, including the Abrams tank, Stryker combat vehicles, LAVs and AJAX armoured fighting vehicles.

LEARN MORE >



GENERAL DYNAMICS

Ordnance and Tactical Systems

Ordnance and Tactical Systems provides weapons systems for naval, air and ground forces applications across all calibers and weapons platforms.

LEARN MORE >

About Land Systems

Land Systems

LAND SYSTEMS IS A GLOBAL LEADER IN TRACKED AND WHEELED MILITARY VEHICLES

LAND SYSTEMS WEBSITE

GENERAL DYNAMICS

Land Systems

The Abrams main battle tank, the family of Stryker and LAV wheeled combat vehicles and the AJAX armoured fighting vehicles are at the heart of Land Systems' military vehicle platforms.

MAIN BATTLE TANKS

The Abrams tank entered into service in the United States in 1980, and continues to be a top tank choice for the U.S. Army, National Guard and Marine Corps, as well as several U.S. allies, because it provides a proven, unrivaled and decisive edge in combat. Mobility, lethality, adaptability and maintainability are all important elements, and survivability continues to be the number one discriminator in the Abrams family of tanks. Abrams is a platform that adapts new technologies while minimizing development time and cost.

STRYKER WHEELED VEHICLES

The Stryker Family of vehicles combine versatility, survivability, lethality and maneuverability to handle a wide array of missions. Introduced in 2000, the eight-wheeled, medium-weight Stryker provides versatility, survivability, lethality and maneuverability. The Stryker Double-V Hull is known as the gold standard of protection.

LIGHT ARMORED VEHICLES

With more than 10,000 LAV's delivered around the world, we offer the most advanced technologies combined with combat-proven survivability.

SPECIALTY WHEELED VEHICLES

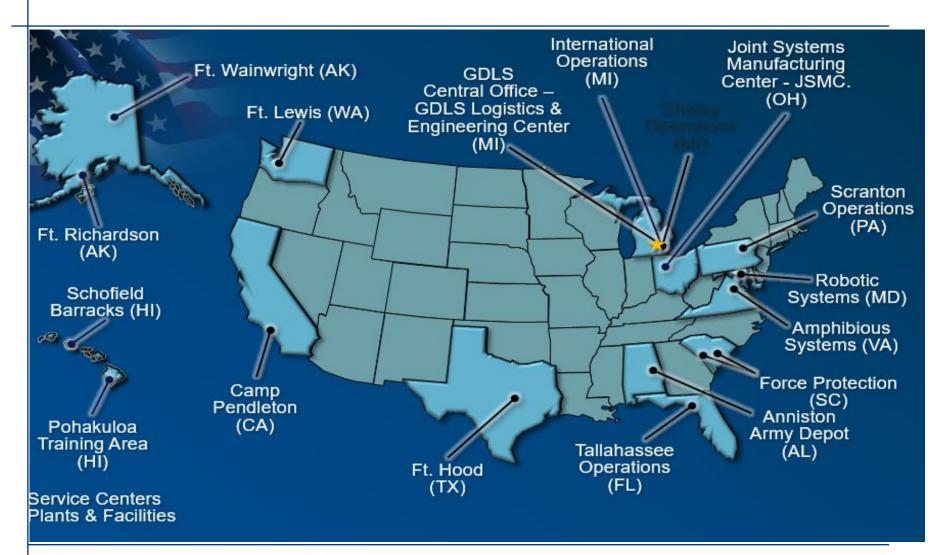
Land Systems' Buffalo vehicle, Cougar and its variants and other specialty vehicles are at the forefront of blast- and ballistic-protected technology. Our vehicles are designed specifically for domestic and international military customers and protect their occupants from land mines, hostile fire and IED's, commonly identified as roadside bombs.

ARMOURED FIGHTING VEHICLES

General Dynamics delivers the AJAX family of armoured fighting vehicles to the British Army, offering best-in-class protection and survivability, reliability and mobility and all-weather intelligence, surveillance, target acquisition and reconnaissance (ISTAR) capabilities. AJAX can operate in combined-arms and multinational situations across a wide-range of future operating environments.



GDLS – US Locations



GDLS – International Locations



Inspection Delegation (ID) Program Description

- There are no Receiving Inspectors in any of GDLS Plants.
- Inspection Delegation (ID) is the General Dynamics Land Systems certified supplier program.
- Inspection Delegate Request Form (QJ21) must be submitted for review; the form is found here: https://www.gdls.com
- The ID Training will consist of the delegate candidate's previewing the PQA 3000 Handbook and online training slide presentation found at: https://www.gdls.com; don't bookmark this page as it is subject to change
- A GDLS inspection stamp will be assigned to the approved delegate(s).
- Each part number shipped under the ID program must have a FAI reviewed and approved by GDLS SQA prior to the Supplier's Inspection Delegate stamping off GDLS shipments, if there is a QY11 or QY14 quality clause on the GDLS PO.
- □ If QY12 is on the PO, the supplier shall perform FPI on new product representative of the first production run.
- □ If QG4 or QY15 are on the PO, a stamped packing list is not necessary.
- □ This program is subject to termination with minimum notice for failure of maintaining a 100% acceptance rate.

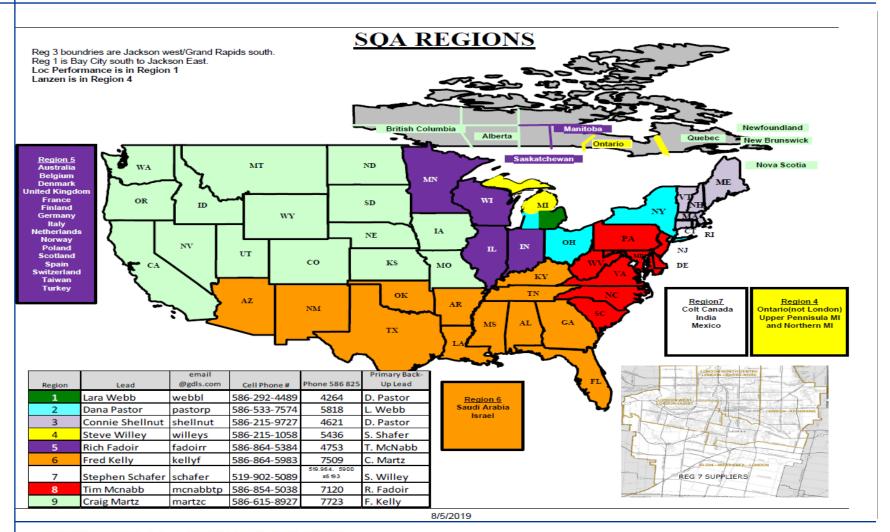
Delegates Qualifications

- □ The Delegation Training is provided to the appointed qualified personnel (Delegates) that will perform acceptance inspection activities at the Supplier facility
- □ The Delegates must have Quality Assurance responsibilities with extensive knowledge in release of product and be assigned to the GDLS related programs; should meet the following criteria:
 - Technical Competence
 - Quality Assurance background and experience.
 - Unrestricted access to GDLS Supplier Quality Assurance Management.
 - Access to the manufacturing process for process verification.
 - Ability to exercise the responsibility of the position as defined within this document.
- □ The Delegates must have unrestricted access to supplier's QA system

Inspection Delegate Responsibilities

- ▶ Have a copy of the GDLS or GDLS-C P.O. during the inspection
- > Have a copy of the GDLS or GDLS-C Print (same part # & revision level as the P.O. designates)
- Know if a previous First Article Inspection (FAI) or First Piece Inspection (FPI) has been completed or if a FAI or FPI is required prior to shipment
- > Review the GDLS Quality Clauses listed on the PO and confirm the requirements have been met
- > Know if any changes have occurred in design, manufacturing processing, materials, location, subtier supplier sources since the last FAI or FPI was approved
- In-Process and Final Inspection are complete in accordance with GDLS and internal supplier requirements
- Process monitoring to assure items such as settings on weld machines, work instruction compliance, cure times, etc. are followed
 - ✓ Verification of items such as weld sample approval, material certifications, first article test approval, control test approval are current
 - ✓ Document FAI or FPI on the GDLS FAI Forms found on our website: https://www.gdls.com
- > Assure all requirements of the P.O. and Print have been met
- If you have questions, call your GDLS Regional SQA Manager: https://www.gdls.com

GDLS SQA Regional Map



GDLS / GDLS-C Purchase Orders

GDLS US PO

GENERAL DYNAMICS

Land Systems 38500 Mound Road, Sterling Heights, MI 48310

STANDARD PURCHASE ORDER

PO #40285944 PO Revision 25 Page 1 of 10

Ship To:	See Shipments for Shipping Location	PO Crea	ation Date: 28-AUG-2017 15:31:11
Bill to:	General Dynamics Land Systems Financial Service Center Electronic invoices to be sent to: apinvoices@gdls.com	Freight Terms: FC	sion Date: 20-MAR-2020 14:31:42 PO Status: APPROVED CA-Seller's Dock (Incoterms 2010) REFER TO GDLS ROUTING GUI
Payment Terms: PO Currency:	MNS2 USD	PO Description:	Total PO Value: PO Award Code: Abrams IDIQ 2020 RFQ #
SUPPLIER Company: Supplier No.: Site: Address:	505030 Brooklyn, NY 11201-1115 United States	BUYER MICHAEL MORAN Phone: Email: MORANM1@gdls.com	PLANNER WILLIAM EVANS Phone: Email: EVANSW@GDLS.COM

GDLS US PO: Additional Technical Data Package (TDP) Documentation

□ QAR/QAP – Quality Assurance Requirements / Provisions

LINE PART REV		DESCRIPTION	QTY	UoM	PRICE	TOTAL	
1 <mark>12918973 ###</mark>		BLASTING MACHINE ASSEMBLY	32	Each			
		CONTRACT	SDS	NOTE TO SUPPLIER		LINE STATUS	

QA CLAUSE / ITEM TEXT:

- ADDITIONAL PROCUREMENT DATA: NONE
- DRWG REV A, DATED 11/10/98
- ** QUALITY REQUIREMENTS:

QY11

WEB

QG5

QG2A

QJ21

QJ8

OK9

12918973 QAP,401,402,403,404,405,406,407

QP93 QY2

Q Y Z (445)

(115) QY3

0/4

12918973 QAP

QK48

ATTENTION: ABOVE QUALITY CODE QK48 NOT APPLI

GENERAL DYNAMICS

Land Systems

This is an example of a US PO.

The part revision level will not be listed in the Rev box,

but shown under QA Clauses/Item Text box

This is an example of a PO with an QAR/QAP -

Quality Assurance Requirements/Provisions (Quality Clause QK9)

The Buyer must send the Supplier a copy of this ODS document.

Please review this document for conformance

QK9.1 (1/19/99) QAP-Cert (Fill In)

Special quality assurance requirements (QAR, QAP, SQAP, SPEC, etc) apply to the item(s) being procured under this contract. The supplier shall have documented objective evidence on file verifying conformance to specific characteristics referenced in the requirement. The objective evidence shall be made available to GDLS on request within a reasonable amount of time.

GDLS US PO: Additional Technical Data Package (TDP) Documentation

ODS – Ordering Data Sheet A3211149-2-BUY EXTENDER CABLE 218 Each CONTRACT SDS NOTE TO SUPPLIER LINE STATUS QA CLAUSE / ITEM TEXT: -- TEXTUAL INFORMATION-1. ADDITIONAL PROCUREMENT DATA: NONE 2. DRWG REV REF DRAWING NUMBER A3211149-2 WITH OD2012-010 Terms and Conditions Please refer to the Ganeral Dynamics Land Systems website at www.gdls.com Main Menu/Suppliers to find all purchase order terms and conditions and detail language for quality requirements. In the event that Seller requests to change the Original Purchase Order Promise Date, Buyer may accept or reject the Promise Date change for material planning purposes only. Any such acceptance in no way waives the Seller's obligation to meet the Original Promise Date. In addition, GNLS reserves all rights under P.O. Terms & Conditions (84-005-0807). General Dynamics Proprietary Data - The information contained herein is proprietary information pursuant to public law 100-679. QP6.0 (1/1/86) Ordering Data Sheets GENERAL DYNAMICS Supplier shall comply with specific ordering data sheet requirements specified in Land Systems 38500 Mound Road, Sterling Heights, MI 48310 this technical data package. PO Revision 7 Page 2 of 3 3. QUALITY REQUIREMENTS: WEB This is an example of a PO with an ODS -QG3 Ordering Data Sheet (Quality Clause QP6) QJ21 QP93 QY11 The Buyer must send the Supplier a copy of this ODS QJ8 QG5 document. Please review this document for conformance.

GDLS / GDLS-C Purchase Orders

GDLS – Canada PO

GENERAL DYNAMICS

Land Systems-Canada

1991 Oxford Street, London, Ontario N5Y 6L8

STANDARD PURCHASE ORDER

PO #35558645 PO Revision 2 Page 1 of 19

Bill to: PO Box 7003

London, ON N5Y 6L8

Canada

Payment Terms: MNS2

PO Currency: USD Order Date: 28-MAY-2019 11:34:19

Revision Date: 28-MAY-2019 11:34:18

PO Status: APPROVED

Freight Terms: FCA-Seller's Dock (Incoterms 2010)

Freight Carrier: REFER-GDLSC

PO Description: ATVV Program Pricing

SUPPLIER

Company: Verhoff Machine and Welding Inc.

Supplier No.: 502622

Site:

Address: 7300 Road 18 Continental, OH

United States 45831

Attn:

BUYER

D.ANNE ALDERMAN

Phone:

Email: alderman@gdls.com

PLANNER STEPHANIE BARBEAU

Phone:

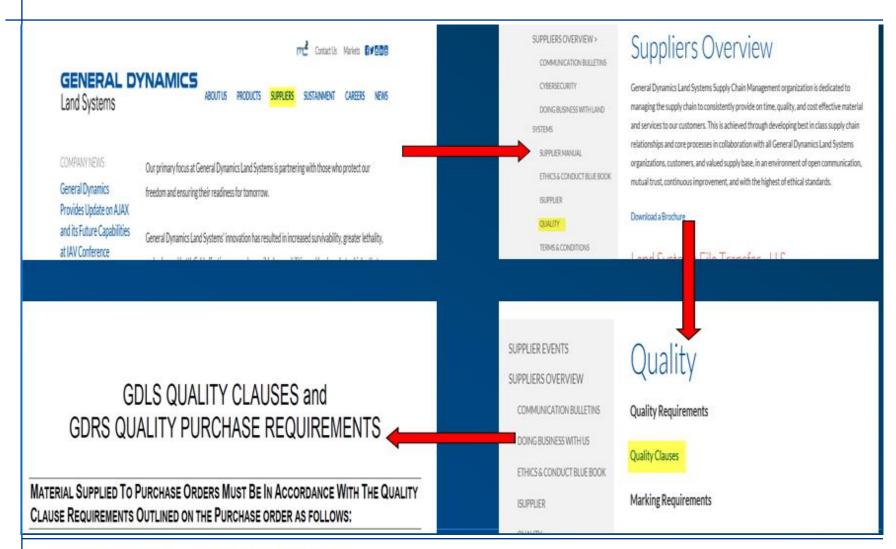
Email: barbeaus@gdls.com

In a GDLS-C PO you'll find the part revision and

Quality Clauses in these areas.

LIN	E F	PART		REV	DES	CRIPTION		UoM	QTY	QA CLAUSE /	ITEM EXT	SUPPLIER ITEM	NOTE TO SUPPLIER	STATUS
1	L	LS1081030		- ,	PLA	TE ASSY		Each	3	QG5,QG7,QJ21 8,QX22,				Closed
\neg	SHI	P QTY	PRICE		EXTENDED	TAX	NEED B	Y DATE	PROM	ISED DATE	REC. ORG	CONT	RACT NAME	STATUS
	1	3					10-MA	Y-2019	10-M	AY-2019	СРМ33	W56HZV-1	7-D-B020 PROD	Closed
- 1			SHIP TO		TEXT						•			
	GDLS-Canada, c/o HCL Logistics Canada ULC			In the perform	ance of this o	ontract, all	Suppliers	are require	d to provide the fo	ollowing end u	ser information to the	ir suppliers:		

GDLS.COM Website Overview – Quality Clauses



Quality Clauses

TABLE OF CONTENTS QUALITY CLAUSES. **Production Quality Requirements** EQD2A.1 (06/01/16) GD Source Inspection. QG1A.4 (11/21/96) MIL-Q-9858 and ANSI/ISO 9000. QG2A.4 (11/21/96) MIL-1-45208 and ANSI/ISO 9000. QG3.3 (7/20/09) GDLS MINIMUM SYSTEM REQUIREMENTS... QG4.3 (12/21/98) Commercial Requirements. QG5.2 (04/18/00) C = O Sampling Plan. QG6.0 (12/21/98) Material Review Board QG7.1 (7/22/11) Quality System Certification Requirement... QG8.0 (1/4/06) Supplemented Material Review Board ... QJ21.2 (10/10/2019) Inspection Delegation. QJ22.0 (12/21/98) Commercial Packing List. QJ23.1 (01/07/20) Pre-approved Supplier Shipments... QJ7H.0 (10/5/98) Government GSI. QJ7M 0 (10/5/98) Merkava Customer Source Inspection _ QJ8M (9/20/2011) Merkava Government Selective Evaluation (Merkava Only). 10 QJ8.1 (1/18/88) Government Selective Evaluation ... QK9.1 (1/19/99) QAP-Cert (Fill In)... QK10.3 (1/7/20) Ballistic Steel Identification. QK11.2 (7/20/09) Test Data QK12.1 (1/7/20) Engineering Prototype Sample Approval... QK14.1 (1/7/20) Engineering Prototype Commercial... QK16 (11/17/04) Key Characteristics . QK17.0 (4/4/2011) Ballistic Testing, Merkava Armor Castings ... QK18.0 (5/2/2016) Inspection/Test Data Deliverable... QK48.2 (1/7/20) Critical/Complex Components... QK49.1 (1/7/20) Supplier Procurement QL22.7 (2/18/2020) Fasteners... QL31.1(7/20/09) Functional Test QL41.1 (1/7/20) Inspection Cert - Jan Devices .. QL42.0 (1/1/86) Inspection Cert - Nuclear Hardness... QL46.1 (1/7/20) CARC Paint Process Certification... QL512.3 (1/7/20) 11655194 (or) MIL-STD 2000A... QL52.0 (1/1/86) TT-C-490/MIL-P-16232 QL6.1 (4/24/88) Consigned Material... QL81.0 (1/1/86) Radiographic. QL82.0 (1/1/86) Magnetic Particle. QL83.0 (1/1/96) Eddy Current... QL84.0 (1/1/86) Ultrasonic. QL85.0 (1/1/86) Dye-Penetrant ... QL86.0 (5/13/10) Non Destructive Testing (NDT), Double-V Hull Plates . QL88.0 (1/19/11) Non Destructive Testing (NDT), Formed Armor .. QP2.3 (1/7/20) Shelf Life Requirement.

QP41.6 (05/09/2007) Traceability - MS Fasteners (CAD)	15
QP42.1 (47/16) Compression Set Test Results	16
QP43.2 (11-18-13) Traceability - High Strength Screws	16
QP44.1 (1/7/20) North American High Strength Fasteners	16
QP5.1 (12/7/06) Serialization Requirements	17
QP6.0 (1/1/86) Ordering Data Sheets	- 17
QP71.0 (1/1/86) Cleaning (SC-X14510)	_17
QP8.0 (7/10/09) Sub-contract Requirements	-17
QP9.0 (7/10/09) Re-work Requirements	17
QP92.1 (2/24/99) Military Standard Hardware ID	18
QP93.0 (5/1/90) Packing Slip Requirement	18
QP94.1 (3/10/14) Foundry Control	18
QP95.0 (3/24/15) Item Unique Identification (IUID) per MIL-STD-130	18
QP96.0 (9/27/10) Intra-company Sourcing	18
QP97.0 (9/27/10) Incomplete Technical Data - long lead sourcing	18
QW51.2 (9Q5/19) Weld Specimens (SD-X SPECS)	19
QW53.2 (925/19) MIL-W-45205 OR SD-X12143 MIL-W-45205	20
QW54.2 (925/19) MIL-STD-248 OR SD-X12142 MIL-STD-248:	21
QW55.1 (925/19) MIL-STD-1261 OR SD-X12140 MIL-STD-1261:	21
QW8.2 (7/18/2012) Merkava Weld Standard 3030	22
QX22.1 (10/16/12) Weldable Appurtenances	23
QX23.6 (1/7/20) Ballistic Steel Welding - GDLS-Canada Weld Standard	23
QXQ4.0 (7/10/09) Weld Inspection	. 24
QX25.0 (7/10/09) Repair and Overhaul	25
QX27.3 (1/7/20) Resistance Spot Welding	25
QX105.0 (12/7/11) Welding - Independent Test Lab	26
QX106.0 (12/7/11) Welding - JSMC Test Lab	26
QX107.1 (1/7/20) Fusion Weld - MIL-STD-2219	2
QX111.3 (09/25/19) Weld Procedure - SD-X12141	27
QX112.6 (09/25/19) Weld Procedure - MIL-W-6858	2
QX113.4 (09(25/19) Weld Procedure - MIL-W-6873	28
QX116.2 (12/7/11) Weld Procedure - MIL-8-12672	29
QX118.7 (09/25/17) Commercial Welding	29
QX119.2 (9/25/19) MIL-W-46132 Electron Beam Welding	29
QX1191.0 (09/25/19) AMS 2681 Electron Beam Welding	30
QX12.0 (09/25/19) Weld Procedure - MIL-W-8604	30
QX1201.1 (09/25/19) MIL-W-8604AER Requirements	31
QX121 (11/06/19) Armor Welding (Steel, Aluminum, Titanium) - Excluding	
Namer, Stryker and LAV Family	31
QX13.4 (09/25/19) Weld Procedure - MIL-W-8611	31
QX14.4 (09/25/19) Weld Procedure - MIL-W-12332	33
QX17.4 (09/25/19) Weld Procedure - MIL-W-45210	34
QX47.0 (4/14/2011) Merkaya Paint Application/Painter Qualification	34
QX57.2 (01/10/14) Brazing and Soldering	34
QY11.1 (1/7/20) First Article Inspection (QCS-16)	31
QY2.9 (11/29/18) FAT-QCS-4.	36
QY2H 2 (9/26/01) First Article Test (HAB)	36
A LEGIT TO COLUMN LOSS (LAND)	

2/26/2020

QY3.7 (1/7/20) Control Test (QCS-4A).	37
	37
	37
QY14.1 (1/7/20) Merkava First Article Inspection	38
	38
QY32 0 (7/25/00) Process Certification	38
ENGINEERING QUALITY REQUIREMENTS.	39
EQA3 - Quality System	39
	39
	39
	40
	41
	41
	43
EQE2 - Automated Test Equipment (ATE) Software Evaluation	43
EQF2 - Welding Procedure Specifications (WPS) & Weld Samples	44
	44
	45
	45

HISTORY			
PRIVISION	Description of Charge	After	Efective
			Date
51310	Initial Release - consension from web to POF format	Steirut	\$11/200
51710	Acced QLSt 5 clause and table of contents	Caulay	25172210
50770	Revised QL 55, re-reside QY-10	Caday	20,000
71910	lations drarges med. Delete of reviews (27 T. 0.25 A. 0.81 C. 975 D. 0.75 D. 0	Granich/Shell hut	07192010
93010	Added GP9f 5 and GP97 5, updated GP33 2, GP3f 5 and GR118 3 with Canada contact information	int	93020
111010	Update TOC, completely revised GORG requirements, QL-61 carcelled and removed	Shelhub/GDR S	1915/2010
120910	Act OW clause societ cate or footer	Caulty: Stelnut	2020
1511	Add Q114	Caulay Shelhut	1052211
37.16	Revise RCB201b and 60% the requirement and and RCB30	SORS	37/11
4411	Ligazite QNS and accines QNS	Cautay Sheirut	4411
47/11	Locate Table of contents	Stellaut	4211
42011	Added QNF	Shelnut	42011
5411	Updates requested per Caronia: Clause 010° has been updated to be consistent within 50.5 and while the Quality System Certifications for 500 and 54. The Ballist Swell clause has been updated to align with revision J of Assurance Claudies 25 including Ballisto Swell Control Assurance Claudies 25 including Ballisto Swell Control	Scheffler	28/01/11
6161	Fenore "requally connect from table of connects.	Shelhut	\$17/11
93011	Updates per Engineering to revision levels of individual clauses	Bulas Shelhu	93011

2/26/2020

QY11 & QY14: First Article Inspection (FAI) QY12: First Piece Inspection

If a first article inspection (FAI) or First Piece Inspection (FPI) is required as part of your purchase order (QY11), (QY14) or (QY12) - it is the supplier's responsibility to conduct an internal FAI or FPI on One (1) of the first five (5) pieces for the (QY11) or (QY12) Clause and Five (5) pieces for the (QY14) Clause.

QY11.1 (1/7/20) First Article Inspection (QCS-16)

The following First Article Inspection (FAI) requirements are applicable unless otherwise specified in the purchase order. Supplier shall perform FAI on one of the first five pieces to be delivered and on each part number within an assembly as listed on the Parts List from the drawing. FAI shall be performed utilizing GDLS Form QCS-16 through QCS-16-3 available at www.gdls.com. The First Article Inspection Report (FAIR) shall include objective evidence of compliance with all drawing requirements.

Upon completion of the supplier's inspection, the supplier shall notify the Buyer and/or cognizant GDLS SQA representative. Five (5) working days' notice shall be required for scheduling verification via www.gdls.com (reference PQA3000 for instructions). Always reference the online document for current requirements. Reference FAI Guide for conditions that require FAI. This guide is available at www.gdls.com.

If supplier-developed automated test software is used as a means of functional product acceptance, the test software (not the firmware) must be approved by GDLS Quality Engineering & Test. Supplier instructions and requirements for test software review and validation are defined in GDLS document QCS-5. The test software shall be submitted to GDLS Quality Engineering & Test for review a minimum of 2 weeks prior to the scheduled FAI

QY14.1 (1/7/20) Merkava First Article Inspection

A First Article Inspection (FAI) is required as part of this purchase order. It is the supplier's responsibility to conduct a FAI on the first five pieces delivered on this order to verify conformance of all physical, chemical, and test requirements specified as part of this order. Upon completion of the inspection, the supplier shall notify the buyer and/or cognizant GD SQA representative.

Objective evidence of this requirement shall be available and verified by GD prior to any shipments on this order. A thirty (30) day notice shall be required for scheduling verification. FAI shall be performed in utilizing GDLS Form QCS-16 available at www.gdls.com. Reference PQA3000 and FAI guide when completing FAI.

FAI verification due to a change will be required on one (1) piece in lieu of the five referenced above objective evidence must be maintained documenting the above.

QY11 & QY14: First Article Inspection (FAI) QY12: First Piece Inspection – continued

QY12.1 (05/27/20) First Piece Inspection (QCS-16)

A First Piece Inspection (FPI) is required as part of this purchase order. It is the supplier's responsibility to conduct a FPI on one of the first five pieces delivered under this order to verify conformance of all physical, chemical, and test requirements specified as part of this order. Upon completion of the inspection, the supplier shall notify the buyer and/or cognizant GD SQA representative.

Objective evidence of this requirement shall be available and verified by GD prior to commencing shipments on this order. FPI shall be performed utilizing the GDLS QCS-16 Coversheet, and if applicable the QCS-16-2 NC Summary. Both forms are available at ww.gdls.com. Five working (5) days notice shall be required for scheduling verification via www.gdls.com (reference PQA3000 for instructions). If supplier-developed automated test software is used as a means of functional product acceptance, the test software (not the firmware) must be approved by GDLS Quality Engineering & Test.

Supplier instructions and requirements for test software review and validation are defined in GDLS document QCS-5. The test software shall be submitted to GDLS Quality Engineering & Test for review a minimum of 2 weeks prior to the scheduled FPI.

In the case of distributors, the requirement can be considered satisfied by presenting the GD SQA representative with a certificate of conformation from the manufacturer as long as it states objective evidence is on file and available.

Manufacturers of QPL parts are only required to produce evidence of current qualifications for QPL parts. FPI is considered satisfied if the purchase order has an active line item for a first article inspection or it has been completed as part of the first article test requirements.

FPI approval is considered extended by GD from one purchase order to the next provided that:

- 1. No configuration changes have occurred.
- 2. The part is manufactured at the same facility.
- 3. The manufacturing process has remained the same.
- 4. There has been no more than a one (1) year break in production.
- No formal corrective action has been required.
- 6. The sub-tier suppliers and special process(es) have not changed.

SQA must be notified if any of the above conditions cannot be met. Objective evidence must be maintained demonstrating the above.

Conditions meeting/requiring GDLS SQA Management FAI or FPI approval:

- New Part Number or Engineering change to Supplier/Product
- Prime or Sub-Tier Material, Manufacturing, or Process change to part
- > 12 month break in production shipment
- Corrective Action (process change that brought part back into conformance)

Upon approval of FAI or FPI by a GDLS Inspector, suppliers with Inspection Delegation privileges would then review future shipments and approve them for shipment as long as the *No Change Clause* has not been violated.

No Change Clause

- Seller shall make <u>no change in design</u>, <u>materials</u>, <u>manufacturing location</u>, <u>manufacturing processes</u>, <u>or sources of supply</u>, after buyer's acceptance of the first production test item or after acceptance of the first completed end item, without the written approval of the buyer. (This is you and all of your sub-tier suppliers and their sub tiers)
- The Buyer must be notified in writing of any potential changes and cc: your SQA Regional Manager.
- The No Change Clause is a contractual requirement and can be found in the Terms and Conditions under Configuration Control:

https://www.gdls.com

Technical Data Package (TDP)

FAI or FPI Data Package at a Minimum for Quality Clauses QY11 or QY14 or QY12:

- □ Copy/Proof of FAI or FPI Inspection Completion (QCS-16 Cover Sheet)
- Copy of the GDLS Purchase Order
- GDLS and Supplier Drawing & associated paperwork:
 - Quality Assurance Provisions (QAP)
 - Quality Assurance Requirements (QAR)
 - Dimensional data (QCS-16-1) for FAI only and associated Ballooned drawing
 - Weld Approval letter (see PO Quality Clauses), if applicable
- Certification of material and/or processes documented on the QCS-16-3 for FAI only
- Nonconformance Summary, QCS-16-2 for FAI; for FPI, only if required
- □ Final inspection/test results documented on the QCS-16-1 for FAI only
- Software approval letter, if applicable
- □ A copy of a Stamped Shipper/Packing Slips
- □ Temporary Release Authorization (TRA), if needed
- □ Supplier Quality Material Request (SQMR), if needed

Supplemental documents to the technical data package (TDP)

- Service Part Notice (SPN) SPN's are only to be used for non-production orders and allow a part to deviate from the original print.
- Ordering Data (OD) Ordering Data will be shown as a requirement on the PO.
 Ordering Data is a supplement to better define the requirements of the TDP.
- □ <u>Deviations (RFV)</u> Allow parts to be accepted that do not meet all requirements of the TDP. The PO should have the Deviation number noted in the PO description.
- Temporary Release Authorization (TRA) Allows parts to be accepted that may require additional certifications (QX118 Weld Approval) which may not yet be approved, or building to change proposals (redline drawings) which may not yet be released through configuration control board, open control test/first article testing. The PO should have the TRA number noted in the PO description.
- □ Supplier Quality Material Report (SQMR) SQMR's are used when suppliers have found that their parts have been produced with a minor non-conformance. The supplier requests to have the parts accepted by the submission of the SQMR document. The PO should have the SQMR number noted in the PO description.

All the above documents are good for a specific quantity of parts, with the <u>exception</u> of the SPNs and ODs.

Control of Nonconforming Parts

Suppliers are expected to ship compliant parts, however there may be the need to ship parts that do not meet the current Technical Data Package (TDP). These TDP variances may be for various reasons.

Minor Nonconformances:

- **SQMR** (Supplier Quality Material Reports):
 - Supplier Quality Material Reports (SQMRs) are intended to address minor nonconformance's discovered on GDLS product located in the supplier's facility.
 - ➤ Suppliers without QG6.0 Material Review Board or QG8.0 Supplemental Material Review Board Quality Clauses are <u>not</u> authorized to conduct Material Review Board (MRB) activities. This authority resides at the appropriate GDLS Plant. MRB authority will be stated on the P.O. for those Suppliers that are authorized.

Major Nonconformances:

- □ Temporary Release Authorization (TRA)
- Ship Prior to Test (SPT)
- Deviations / Variances

All the above documents for minor or major nonconformances are good for a specific quantity of parts.

Source Delegation Stamp Control

STAMP RULES:

- □ This stamp will always be kept under personal control and secured from unauthorized use (stamps are not borrowed or loaned).
- Assignee must have independent authority to accept or reject product shipment(s). Must also be unencumbered from contacting their SQA Regional Manager with any questions or concerns.
- □ Stamp use is only for its intended purpose, the review of GDLS product and documentation (a written/typed stamp number is not valid).
- Immediately notify your GDLS Regional Manager if this stamp is lost, stolen, or if it cannot be used because of damage or wear.
- □ Immediately notify your GDLS Regional Manager if you suspect any misuse of this stamp.
- □ The stamp impression must be affixed to all copies of the shipping document only when compliance to the Purchase Order and TDP are fully met. <u>This is the only form of product acceptance.</u>

Delegation Audit

The Supplier and the GDLS trained Inspection Delegates will be audited by a GDLS SQA representative on a biennial basis or as directed by the Regional Manager.

GDLS Supplier Delegate



REMEMBER...

...EVERYTHING YOU
PLAN, WRITE, PRODUCE,
INSPECT MUST BE USED
BY THIS MAN

HE AND HIS BUDDIES
WILL BE THE FIRST TO
PAY FOR YOUR MISTAKES

General Dynamics Land System

□ Questions?