



Engineering Standard

SAES-J-002

28 May 2006

Regulated Vendors List for Instruments

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Saudi Aramco DeskTop Standards

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1 Scope

This Standard identifies acceptable manufacturers for instrumentation products. This Standard does not apply to purchasing procedures associated with instrument materials for replenishment of SAMS stock.

2 Conflicts and Deviations

- 2.1 Any conflicts between this standard and other applicable Saudi Aramco Engineering Standards (SAESs), Materials System Specifications (SAMSSs), Standard Drawings (SASDs), or industry standards, codes, and forms shall be resolved in writing by the Company or Buyer Representative through the Manager, Process & Control Systems Department, Saudi Aramco, Dhahran.
- 2.2 Direct all requests to deviate from this standard in writing to the company or buyer representative, who shall forward such requests to the Manager, Process and Control Systems Department of Saudi Aramco, Dhahran. The P&CSD manager shall follow internal company procedure SAEP-133 to process the request.

3 References

The following is a summary of the Saudi Aramco documents and industrial standards that have been mentioned within this standard:

Saudi Aramco References

Saudi Aramco Engineering Procedure

<i>SAEP-133</i>	<i>Instructions for the Development of a "Regulated Vendors List" Engineering Standard</i>
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Saudi Aramco Engineering Standards

<i>SAES-J-200</i>	<i>Pressure</i>
<i>SAES-J-400</i>	<i>Temperature</i>
<i>SAES-J-502</i>	<i>Analyzer Shelters</i>
<i>SAES-J-904</i>	<i>Foundation Fieldbus (FF) Systems</i>

Saudi Aramco Materials System Specifications

<i>34-SAMSS-117</i>	<i>Turbine Flow Meters</i>
<i>34-SAMSS-118</i>	<i>Positive Displacement Meters</i>
<i>34-SAMSS-119</i>	<i>Bi-Directional Meter Prover</i>

34-SAMSS-318	<i>Automatic Tank Gauging Equipment</i>
34-SAMSS-511	<i>Chromatographs</i>
34-SAMSS-512	<i>Oxygen Analyzers</i>
34-SAMSS-514	<i>Combustible Gas and Hydrogen Sulphide Monitors</i>
34-SAMSS-515	<i>Moisture Analyzers</i>
34-SAMSS-517	<i>Density Meters</i>
34-SAMSS-611	<i>Safety Relief Valves Conventional and Balanced Types</i>
34-SAMSS-612	<i>Safety Relief Valves Pilot Operated Types</i>
34-SAMSS-619	<i>Burner Management Systems for Watertube Boilers</i>
34-SAMSS-623	<i>Programmable Controller Based ESD Systems</i>
34-SAMSS-625	<i>Vibration, Axial Position and Bearing Temperature Monitoring Systems</i>
34-SAMSS-634	<i>Local ZV Shutdown Cabinets and Smart ZV Systems</i>
34-SAMSS-711	<i>Control Valves - General Services</i>
34-SAMSS-716	<i>Pneumatic Actuators On-Off Service</i>
34-SAMSS-717	<i>Hydraulic Valve Actuators</i>
34-SAMSS-718	<i>Electric Motor Operated Valve Actuators</i>
34-SAMSS-815	<i>Annunciators</i>
34-SAMSS-820	<i>Instrument Control Cabinets - Indoor</i>
34-SAMSS-821	<i>Instrument Control Cabinets - Outdoor</i>
34-SAMSS-830	<i>Programmable Logic Controller</i>
34-SAMSS-831	<i>Instrumentation for Packaged Units</i>
34-SAMSS-913	<i>Instrumentation and Thermocouple Cable</i>

Saudi Aramco Standard Drawings

AB-036019	<i>Thermowell Assembly and Detail</i>
AC-036413	<i>Orifice Flange Assembly, Raised Face</i>
AB-036414	<i>Orifice Flange Assembly, Ring Joint</i>

4 Definitions

Terms shown in **bold** font within this document are defined below:

Approval: Written authorization by the Manager, Process & Control Systems Department, Saudi Aramco, Dhahran.

Acceptable: **Approval** is not required to place a purchase order for the product. After the order has been placed, the **supplier** of this product must ensure that he complies with all aspects of the purchasing contract (e.g., must meet the Saudi Aramco Materials System Specification).

CCC: "Commodity Classification Code".

License agreement: A contract between a **supplier** and an owner of rights to an equipment design, allowing a **supplier** to either (1) assemble the equipment using all the pieces provided by the design owner or (2) assemble the equipment using a combination of pieces provided by the design owner and pieces manufactured by the licensee to the design owner's detailed drawings/specifications. The contract between the licensor and licensee would (1) require the licensee to follow the licensor manufacturing procedures and be routinely audited by the licensor for compliance and (2) require the equipment to be marketed and labeled using the licensor's brand name.

Made: Created from raw materials and/or assembled by the **manufacturer**.

Manufacturer: Can be either (1) the owner of the brand name of the equipment or (2) a licensee that has a **license agreement**.

SAMSS: "Saudi Aramco Materials System Specification".

Supplier: The person/company etc. who is responsible to provide the equipment to Saudi Aramco.

5 General

- 5.1 Procurement of a product **made** by a **manufacturer** not listed in Section 6 of this Standard is not allowed without **approval**. Requests for **approval by the Instrumentation Standards Committee Chairman** of an alternate **manufacturer** must be supported by documentation identifying how the alternate **manufacturer** would better serve Saudi Aramco over the **manufacturers** listed in this standard.

Commentary Note:

*If the request to procure from an alternate **manufacturer** is not approved, the **approval** authority is under no obligation to present the reasons for the refusal.*

- 5.2 The **manufacturer** listings within Section 6 shall be interpreted in the following manner:
- 5.2.1 **Manufacturer** is listed with the word "None" as a "Limitation": All products from the **manufacturer** in the given category (CCC and, if applicable, SAMSS) are **acceptable**.
- 5.2.2 **Manufacturer** is listed with a "Limitation": Only the product that meets the "Limitation" is **acceptable**. If noted as being manufactured "Under License", only products **made** under the terms of the **license agreement** are **acceptable**.
- 5.2.3 **Manufacturer** is listed with a specific "Location": Only products **made** in the specific location(s) or area(s) are **acceptable**.
- 5.3 For various engineered systems the following note may be referenced in the list of technically acceptable instruments. This note shall apply only to those categories in which it is referenced.

Commentary Note:

It is not practical to list sources of supply for this engineered system. Purchase may be from any qualified source that can comply with the mandatory requirements that are listed in each category in which this note is referenced. Verification of compliance shall be the responsibility of the requisition originator. No IU technical evaluation or approval is required. However, IU will assist in such evaluations when requested to do so.

6 Technically Acceptable Instruments

100 Flow

111 Flow Transmitters

D/P Transmitters

See Category 211 - Pressure and Differential Pressure Transmitters

112 Flow Indicators

112.1 Equipment Description: Flowmeter, Variable Area, Rotameters

CCC: 340289 (9COM - 6000002916)

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
KDG INSTRUMENTS LTD / SOLARTRON MOBREY	30000125	CRAWLEY, GB	None
KROHNE-MESSTECHNIK GMBH & CO KG	30000225	DUISBURG, DE	None
ABB AUTOMATION	30001714	WARMINSTER, US	None
BROOKS INSTRUMENTS (Emerson)	30003283	HATFIELD, US	None

112.2 Flow Sight Glasses

9COM - 6000002744 (CCC 340105)

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
Ernst Gage Co.	10018116	Livingston, US	None
Clark-Reliance-Jacoby-Tarbox Corp (Jerguson).	10019404	16633 Foltz Ind Pkwy, Strongsville, OH, US	None
ABB AUTOMATION	30001714	WARMINSTER, US	None
Tyco Flow Control-Penberthy	30002066	PROPHETSTOWN, US	None

112.3 D/P Gauges

See Category 217 - Differential Pressure Gauges

113 Flow Switches

113.1 D/P Switches – CCC 340198 (9COM- 6000002830)

See Category 213 - Pressure and Differential Pressure Switches

113.2 Target Switches – CCC 340199 (9COM- 6000002831)

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
ITT-McDonnell and Miller	10019365	3500 North Spaulding Ave, Chicago, IL60618, USA	None
SOR, Inc.	10021774	14685 West 105th St, Lenexa, Kansas 66215, USA	None
SOR Europe	10001487	SW, UK	None
Magnetrol	30003796	Heikensstraat 6, 9240 Zele, Belgium	None

115 Orifice Assemblies

115.1 Orifice Plates and Flanges

CCC: 340157 (9COM- 6000002792) - Orifice; Assembly: Plate; Flange; Sealing Ring

CCC: 340158 (9COM- 6000002793) - Orifice; Plate; ASTM A 182/A 240;

Mandatory requirements:

For orifice plates - Std. Dwg. AE-036014

For RF orifice flanges - Std. Dwg. AC-036413

For RJ orifice flanges - Std. Dwg. AB-036414

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
DANIEL EUROPE LTD.	30001107	LABERT, GB	None
Daniel Measurement & Control	30001638	HOUSTON, US	None
SOLARTRON ISA	30001182	SHILDON, GB	None
TECNOMATIC SPA	30000010	CREMONA, IT	None
FMC Technologies/Measurement Solutions	30001668	Corpus Christi, US	None
Crane Manufacturing Inc	30001575	TULSA, US	None

115.2 Meter Runs; Prefabricated Gas Metering

CCC: 340143 (9COM- 6000002778) - Meter Runs;
 Prefabricated Gas

CCC: 340144 (9COM- 6000002779) - Meter Runs;
 Prefabricated Liquid

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
ALDERLEY SYSTEMS LTD	30000011	WOTTON UNDER EDGE, GB	None
ALDERLEY FZE	30003016	DUBAI, AE	None
DANIEL EUROPE LTD.	30001107	LABERT, GB	None
IMTECH SYSTEMS BV	30001184	DEN BOSCH, NL	None
FMC	30001668	CORPUS CHRISTI, US	None
SOLARTRON ISA	30001182	SHILDON, GB	For skids up to 20MMSCF/Day

115.3 Equipment Description: Orifice Fittings – Retractable, Single
 and dual Chamber

CCC: 340157 (9COM- 6000010784)

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
DANIEL EUROPE LTD.	30001107	LABERT, GB	None
DANIEL MEASUREMENT & CONTORL	30001638	HOUSTON, US	None
FMC Energy Systems/Measurement Solutions	30001668	Corpus Christi, TX, US	None

116 Equipment Description: Flow Meter: Venturi Tube

CCC: 340095 (9COM- 6000007215)

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
SOLARTRON ISA	30001182	SHILDON, GB	None
ABB INSTRUMENTATION LTD.	30001058	STONEHOUSE, GB	None
ABB INSTRUMENTATION LTD.	30001098	CHEADLE HULME, CHEADLE, GB	None
DANIEL EUROPE LTD.	30001107	LABERT, GB	None
FMC Energy Systems/Measurement Solutions	30001667	Erie, US	None
Tecnomatic SPA	30000010	Cremona, IT	None

117 Equipment Description: Flowmeter; Turbine; In-Line

CCC: 340140 (9COM- 6000002775)

Specification: 34-SAMSS-117; 175-342900

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
BARTON INSTRUMENT SYSTEMS LTD.	30001183	BOGNOR REGIS, GB	None
THERMO MEASUREMENT LTD.	30001256	WINCHESTER, GB	None
DANIEL MEASUREMENT & CONTORL	30001638	HOUSTON, US	None
DANIEL MEASUREMENT AND CONTROL	30003189	CHIHUAHUA, MX	None
FMC Energy Systems/Measurement Solutions	30001667	Erie, US	None

118 Flowmeter; Positive Displacement; Bi-Rot

CCC: 340082 (9COM- 6000002722)

Specification: 34-SAMSS-118; 175-343000

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
BOPP AND REUTHER MESSTECHNIK	30001082	MANNHEIM, DE	None
BARTON INSTRUMENT SYSTEMS LTD.	30001183	BOGNOR REGIS, GB	None
Badger Meter, Inc	30002198	Milwaukee, US	None
FMC Energy Systems/Measurement Solutions	30001667	Erie, US	None
BRODIE METER CO., LLC	30003456	Statesboro, US	None

119 Liquid Meter Provers

119.1 Meter; Prover; Bi-Directional C/W Accessories

CCC: 340136 (9COM- 6000002772)

Specification: 34-SAMSS-119, 175-342800

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
ALDERLEY SYSTEMS LTD	30000011	WOTTON UNDER EDGE, GB	None
ALDERLEY FZE	30003016	DUBAI, AE	None
DANIEL EUROPE LTD.	30001107	STIRLING, GB	None
DANIEL MEASUREMENT & CONTORL	30001638	HOUSTON, US	None
FMC	30001668	CORPUS CHRISTI, US	None

119.2 Meter; Small Volume Prover;

CCC: 340137 (9COM- 6000002773)

Specification: 34-SAMSS-119

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
CALIBRON SYSTEMS INCORPORATED	30001541	SCOTTSDALE, US	Model S-15 piston
ALDERLEY FZE	30003016	DUBAI, AE	None
DANIEL EUROPE LTD.	30001107	LABERT, GB	None
DANIEL MEASUREMENT & CONTORL	30001638	HOUSTON, US	None

120 Flowmeter; Annubar; Pitot Tube

CCC: 340032 (9COM- 6000002677)

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
SOLARTRON MOBREY	30000125	CRAWLEY, GB	None
Meriam Instruments Div	60007859	10920 Madison Ave., Cleveland, OH 44102, US	None
Emerson-Rosemount Division	30002398	Chanhassen, MN, US	None

121 Flowmeter; Magnetic

CCC: 340096 (9COM- 6000002735)

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
BROOKS INSTRUMENT BV	30000079	Veenendaal, NL	None
ABB INSTRUMENTATION LTD.	30001058	Stonehouse, GB	None
BOPP AND REUTHER MESSTECHNIK	30001082	Mannheim, DE	None
Foxboro Company	30002059	Foxboro, US	None
Yokogawa Electric Corporation	30001465	Japan	None
Emerson-Rosemount Division	30002398	Chanhassen, MN, US	None
Krohne	30004108	Dordrecht, NL	None

122 Ultrasonic Flowmeters

122.1 Flow Meter: Ultrasonic; Liquid, Gas and Flare Line Service

CCC: 340099 (9COM- 6000002738)

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
Krohne	30000225 30004108	Duisberg, DE Dordrecht, NL	Liquid and Gas
GE Panametrics	30001228	Shannon, IE	Liq, Gas and Flare
GE Panametrics	30001865	Waltham, US	Liq, Gas and Flare
Roxar Flow Measurement (prev. Fluenta)	30003346	Bergen, NO	Flare only
ELSTER-INSTROMET NV	30000149	Essen, BE	Gas Only
Emerson-Daniel Division	30001638	Houston, US	Gas only
Sick-Engineering GmbH	30003916	Ottendorf-Okrilla, DE	Gas Only

122.2 Flowmeter; Multipath Ultrasonic; Gas Service

CCC: 340142 (9COM- 6000002777)

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
ELSTER-INSTROMET NV	30000149	ESSEN, BE	None
Emerson-Daniel Division	30001638	Houston, US	None
Krohne	30000225 30004108	Duisberg, DE Dordrecht, NL	None
FMC Energy Systems/Measurement Solutions	30001668	Corpus Christi, TX, US	None
Sick-Engineering GmbH	30003916	Ottendorf-Okrilla, DE	None

123 Flowmeter; Vortex; Vortex Shedding

CCC: 340100 (9COM- 6000002739)

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
ABB INSTRUMENTATION LTD.	30001058	STONEHOUSE, GB	None
ABB AUTOMATION	30001714	WARMINSTER, US	None
Foxboro Company	30002059	Foxboro, US	None
Yokogawa Electric Corporation	30001465	Japan	None
Emerson-Rosemount Division	30002398	Chanhassen, MN, US	None

124 Restriction Orifices - Union Type

Pending Technical Evaluation

125 Flowmeter; Multiphase

CCC: 340094 - Flow Meter: Multiphase

CCC: 340290 (9COM- 6000002917)

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
ROXAR FLOW MEASUREMENT AS	30003346	BERGEN, NO	None
3-PHASE MEASUREMENTS AS	30003371	BERGEN, NO	None
Agar	10023811	Houston, US	None
Pietro Fiorentini	30003795	ARCUGNANO, IT	None

126 Thermal Flowmeters

9COM- 6000002736 (CCC 340097) - Flow Meter: Thermal

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
Fluid Components, Inc	30002423	San Marcos, CA, USA	None
Emerson- Brooks Instruments	30000079	Veenendaal, NL	None
Kurz Instruments	30003794	Monterey, CA, US	None

127 Flow Nozzles

9COM- 6000002740 (CCC 340101) - Flow Nozzle

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
Crane Manufacturing, Inc	30001575	Tulsa, OK	None
Emerson-Daniel Division	30001638	Houston, US	None
Fluidic Techniques/FTI Industries	30002413	Mansfield, TX, US	None

128 Flowmeter; Coriolis Mass

CCC: 340288 (9COM- 6000002915)

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
Emerson/MICRO MOTION INC.	30001647	BOULDER, US	None
Foxboro Company	30002059	Foxboro, US	None
FMC Energy Systems/Measurement Solutions	30001667	Erie, US	None
Endress + Hauser FLOWTEC AG	30003473	REINACH, CH	None
Rota Yokogawa GMBH & Co KG	30004188	WEHR, DE	None

200 Pressure

211 Pressure and Differential Pressure Transmitters

CCC 340219 (9COM- 6000002850) - Transmitter: Flow

CCC 340220 (9COM- 6000002851) - Transmitter: Pressure

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
Emerson- Rosemount Division	10029032	Wessling, DE	None
Rosemount Inc	10018053	Chanhassen, US	
Foxboro Company	30002059	Foxboro, US	None
Honeywell, Inc.	10019010	Phoenix, AZ, US	None
ABB instrumentation SPA	10004522	LENNO, IT	None
ABB Automation Products GMBH Ltd	10015036	MINDEN, DE	None
ABB Automation	10018650	WARMINSTER, US	None
Yokogawa Electric	30003284	Kofu, JP	None
Yokogawa Electric Asia	30000134	Singapore	
SMAR	10021582	Houston, US	None

212 Pressure Gauges

CCC 340116 (9COM- 6000002754) - Indicator: Pressure

Specification: Mandatory requirements are specified in SAES-J-200.

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
Ametek, Inc. (U.S. Gauge PMT)		820 Pennsylvania Blvd. Feasterville, PA 19053	None
WIKA Middle East WIKA GMBH	10029526 10032628	Dubai, AE Klingenberg, DE	None
Dresser Al-Rushaid Valve & Instrument/ Ashcroft	30000428	Jubail	None
Dresser Instrument Division, Ashcroft		250 East Main Street Stratford, CT 06614-5145, US	None
DRESSER EUROPE GMBH (INSTRUMENT DIV)	30001119	BAESWEILER, DE	None
Dwyer Instruments, Inc. (Magnehelic)	10017797	Michigan City, US	None

213 Pressure and Differential Pressure Switches

CCC 340198 (9COM- 6000002830) - Switch: Differential Pressure

CCC 340202 (9COM- 6000002834) - Switch: Pressure

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
WIKA Middle East WIKA GMBH	10029526 10032628	Dubai, AE Klingenberg, DE	None
Barton Instrument Systems	30001183	Bognor Regis, UK	None
Custom Control Sensors, Inc	10004389	SWINDON, UK	None
Dresser Industries, Ashcroft Instrument Div	30000428	Jubail, KSA	None
Mercoid Corp	10017798	Michigan City, US	None
SOR Europe	10001487	SW, UK	None
SOR, Inc	10021774	Lenexa, KS, US	None
United Electric Controls	10022325	Watertown, MA, US	None

214 Multivariable Transmitters

CCC 340299 (9COM- 6000002926) - Transmitters Multivariable

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
Emerson- Rosemount Division	10029032	Wessling, DE	None
Honeywell, Inc.	10019010	Phoenix, AZ, US	None
ABB Automation Products GMBH Ltd	10015036	MINDEN, DE	None

215 Remote Seals

CCC 340052 (9COM- 6000002693) - Chemical Seal

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
Ametek, Inc. (U.S. Gauge PMT)		820 Pennsylvania Blvd. Feasterville, PA 9053, US	None
Barton Instrument Systems	30001183	Bognor Regis, UK	None
Dresser Al-Rushaid Valve & Instrument/ Ashcroft	30000428	Jubail	None
DRESSER EUROPE GMBH (INSTRUMENT DIV)	30001119	BAESWEILER, DE	None

217 Differential Pressure Gauges

9COM- 6000002749 (CCC 340111) - Indicator: Differential Pressure

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
ABB instrumentation Ltd	30001058	STONEHOUSE, GB	None
ABB instrumentation Ltd	30001098	CHEADLE, GB	
ABB Automation	30001714	WARMINSTER, US	
Barton Instrument Systems	30001183	BOGNOR REGIS	None
Dresser Al-Rushaid Valve & Instrument/ Ashcroft	30000428	Jubail	None
DRESSER EUROPE GMBH (INSTRUMENT DIV)	30001119	BAESWEILER, DE	None
Dwyer Instruments, Inc	10017797	Michigan City, US	None
Honeywell, Inc.	10019010	Phoenix, AZ, US	None
Meriam Instruments Div	10021406	Cleveland, OH, US	None

300 Level

311 D/P Level Transmitters

See Category 211 - Pressure and Differential Pressure Transmitters

312 Level Gauge Glasses

CCC 340255 (9COM- 6000002886) - Glass: Level Gauge

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
Simco Engineers Ltd	10001569	Jarrow, UK	None
Clark-Reliance-Jerguson Gage and Valve Co	10019404	Strongsville, OH, US	None
Penberthy/Tyco Flow Control	30002066	PROPHETSTOWN, US	None
Cesare Bonetti Spa	10003565	Milano, It	None
K-Tek Corp	10023908	Prairieville, LA, US	None

313 Level Switches - Float and Displacer Type

CCC 340200 (9COM- 6000002832) - Switch: Liquid Level

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
K-Tek Corp	10023908	Prairieville, LA, US	None
Magnetrol International INC. Magnetrol International NV	30001819 30003796	Downers Grove, US Zeleville, BE	None
SOLARTRON MOBREY LTD	30000124	SLOUGH, GB	None
SOR, Inc	10021774	Lenexa, KS, US	None

314 Transmitter; Liquid Level; Displacer

CCC 340125 (9COM- 6000002763) – Level Instrument Displacer Type:
 (Transmitters/Controllers; NA)

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
SOLARTRON MOBREY LTD	30000124	SLOUGH, GB	None
MASONEILAN DIVISION	30001611	AVON, US	None
MAGNETROL INTERNATIONAL MAGNETROL INTERNATIONAL NV	30001819 30003796	Downers Grove, US Zeleville, BE	None
FOXBORO COMPANY	30002059	FOXBORO, US	None
FISHER Controls Inc	30001650	Marshalltown, US	None
FISHER ROSEMOUNT S.A.	30003023	CERNAY, FR	None
FISHER ROSEMOUNT LTD	30003024	BUDAPEST, HU	None
DRESSER PRODUCTS INDUSTRIELS	30001203	CONDE- SURNOIREAU, FR	None
Dresser Industries	30000428	Jubail, KSA	None

315 Level Instruments - Ultrasonic

CCC: 340124 (9COM- 6000002762)

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
DREXELBROOK ENGINEERING	30001485	HORSHAM, US	None
Magnetrol International INC. Magnetrol International NV	30001819 30003796	Downers Grove, US Zeleville, BE	None
ENDRESS & HAUSER INC.	30001859	GREENWOOD, US	None
ENDRESS AND HAUSER	30003797	Maulburg, Germany	None
SOLARTRON MOBREY LTD	30000124	SLOUGH, GB	None

316 Level Instruments – Capacitance or RF Admittance

CCC 340123 (9COM- 6000002761) - Level Control: Capacitance Type

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
DREXELBROOK ENGINEERING	30001485	HORSHAM,US	None
Magnetrol International INC. Magnetrol International NV	30001819 30003796	Downers Grove, US Zelev, BE	None
ENDRESS & HAUSER INC.	30001859	GREENWOOD, US	None
ENDRESS AND HAUSER	30003797	Maulburg, Germany	None

317 Level Instruments - Nuclear Radiation

9COM- 6000002764 (CCC 340126) - Level Instrument: Radiation Type

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
Thermo MeasureTech (Texas Nuclear)	10017895	Round Rock, TX, US	None
Ohmart/Vega Corp	10020502	Cincinnati, Ohio, US	None
ENDRESS & HAUSER INC.	30001859	GREENWOOD, US	None
ENDRESS AND HAUSER	30003797	Maulburg, Germany	None

318 Tank Gauging Equipment – Servo and Float

CCC: 340206 (9COM- 6000002838)

Specification: 34-SAMSS-318

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
ENRAF TERMINAL AUTOMATION	30001134	DELFT, NL	None
L & J TECHNOLOGIES	30001679	HILLSIDE, US	None
Varec, Inc	10024848	Norcross, US	None

319 Tank Gauging Equipment – Radar (for inventory tank use only)

CCC: 340190 (9COM- 6000002822)

Specification: 34-SAMSS-319

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
ENRAF TERMINAL AUTOMATION	30001134	DELFT, NL	None
SAAB TANK CONTROL	30001253	GOTEBORG, SE	None
ENDRESS AND HAUSER	30003797	Maulburg, Germany	ON HOLD

320 Guided Wave Radar (GWR) Level Transmitters

9COM- 6000007390 (CCC 340132) - Transmitter: Level; GWR

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
MAGNETROL INTERNATIONAL INC.	30001819	DOWNERS GROVE, US	None
MAGNETROL INTERNATIONAL NV	30003796	ZELE, BE	None
ROSEMOUNT/SAUDI FAL COMPANY	10013769	Khobar, SA	None
K-Tek	30003005	Prairieville, LA, US	None
ENDRESS AND HAUSER	30003797	Maulburg, Germany	None

321 Level Gauge- Magnetic Type (MLI)

CCC: 340127 (9COM- 6000002765) – Gauge; Level; Magnetic

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
K-tek Corp	10023908	Prairieville, US	None
Cesare Bonetti SPA	10003565	IT	None
MAGNETROL INTERNATIONAL INC.	30001819	DOWNERS GROVE, US	None
MAGNETROL INTERNATIONAL NV	30003796	ZELE, BE	None

400 Temperature

411 Temperature Transmitters

CCC 340221 (9COM- 6000002852) - Transmitter: Temperature

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
Emerson- Rosemount Division	10029032	Wessling, DE	None
Foxboro Company	30002059	Foxboro, US	None
Honeywell, Inc.	10019010	Phoenix, AZ, US	None
ABB instrumentation SPA	10004522	LENNO, IT	None
ABB Automation GMBH	10015036	Minden, DE	
ABB Automation	10018650	WARMINSTER, US	
Yokogawa Electric	30001465	Japan	None
Yokogawa Electric Asia	30000134	Singapore	
SMAR	10021582	Houston, US	None

412 Temperature Indicators

CCC 340118 (9COM- 6000002756) - Indicator: Temperature

Specification: Mandatory requirements are specified in SAES-J-400.

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
Ametek, Inc. (U.S. Gauge PMT)	10016196	820 Pennsylvania Blvd. Feasterville, PA 19053	None
ABB instrumentation Ltd ABB instrumentation Ltd ABB Automation	30001058 30001098 30001714	STONEHOUSE, GB CHEADLE, GB WARMINSTER, US	None
Dresser Al-Rushaid Valve & Instrument/ Ashcroft	30000428	Jubail	None
DRESSER EUROPE GMBH (INSTRUMENT DIV)	30001119	BAESWEILER, DE	None

413 Temperature Switches – Mechanical

9COM- 6000002835 (CCC 340203) - Switch: Temperature

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
Custom Control Sensors, Inc	10004389	SWINDON, UK	None
Mercoird Corp	10017798	Michigan City, IN, US	None
Barton Instrument Systems	30001183	Bognor Regis, UK	None
SOR, Inc	10021774	Lenexa, KS, US	None
United Electric Controls	10022325	Watertown, MA, US	None
Dresser Industries, Ashcroft Instrument Div	30000428	Jubail, KSA	None

415 Thermocouples

CCC 340258 (9COM- 6000002888) – Thermocouple

Specification: Mandatory requirements are specified in SAES-J-400.

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
Honeywell, Inc	10019010	Phoenix, AZ, US	None
Minco Products, Inc	10020168	Minneapolis, US	None
Thermo Electric Co, Inc	30001963	Saddle Brook, US	None
Gay Engineering and Sales Co. (GAYESCO)	10031229	Pasadena, TX, US	None
United Electric Controls	10022325	Watertown, MA, US	None
Conax Buffalo Technologies	10021385	Buffalo, US	None
Okazaki Manufacturing Co	10001266	Chuo-Ku	None

416 Resistance Temperature Detectors

CCC: 340181 (9COM- 6000002814)

Specification: Mandatory requirements are specified in SAES-J-400

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
ABB AUTOMATION PRODUCTS GMBH	30001111	ALZENAU, DE	None
MINCO PRODUCTS INC.	30001830	MINNEAPOLIS, US	None
CONAX BUFFALO CORPORATION	30001920	BUFFALO,US	None
THERMO ELECTRIC Co., Inc	30001963	SADDLE BROOK, US	None
THERMO ELECTRIC EUROPE BV	30001296	OUDE MEER, NL	None
Watlow Gordon	30002010	Richmond, US	None

417 Thermistors

Not Recommended.

418 Thermowell

CCC: 340214 (9COM- 6000002845)

Specification: Mandatory requirements are specified in SAES-J-400

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
Dresser Al-Rushaid Valve and Instrument	30000428	JUBAIL,SA	None
ABB Instrumentation Ltd.	30001098	CHEADLE HULME, CHEADLE, GB	None
ABB Automation Products GMBH	30001111	ALZENAU,DE	None
Dresser europe gmbh (instrument	30001119	BAESWEILER, DE	None
Thermo-Couple Products Company	30002388	WINFIELD, US	None
Thermo Electric Europe Bv	30001296	OUDE MEER, NL	None
Minco products inc.	30001830	MINNEAPOLIS, US	None
Okazaki Manufacturing Co	30001422	Chuo-Ku	None
Tecnomatic SPA	30000010	Cremona, IT	None

500 Analytical

511 Analyzer; Chromatograph; Process Gas or Liquid

CCC: 340287 (9COM- 6000002914)

Specification: 34-SAMSS-511; 175-343200

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
ABB AUTOMATION	30001706	LEWISBURG, US	None
Siemens APPLIED AUTOMATION	30001930	BARTLESVILLE, US	None
Yokogawa Electric Corp	30001465	Japan	None
Hamilton Sundstarnd		Pamona, CA, US	None
Emerson/Daniel Measurement & Control	30001638	HOUSTON, US	Custody Transfer Application only

512 Oxygen Analyzers

CCC: 340020 (9COM- 6000002666)

Specification: 34-SAMSS-512; 175-345400

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
ABB INSTRUMENTATION LTD.	30001058	Stonehouse, GB	None
GE/PANAMETRICS LTD	30001228	Shannon, IE	None
SERVOMEX UK LTD.	30001293	Crowborough, GB	None
Yokogawa Electric Corp.	30001465	Musashino-shi, JP	None
YOKOGAWA ELECTRIC KOFU PLANT	30003284	Kofu, JP	None
AMETEK PROCESS INSTRUMENTS	30001481	Pittsburgh, US	None
TELEDYNE INSTRUMENTS	30001958	City of industry, US	None
Sick-Maihak AG	30003917	Reute, DE	None
Emerson Process Management- Fisher Rosemount GmbH & Co.,		Industriestrasse 1, 63594 Hasselroth, de	Polarographic and Paramagnetic principle
Siemens Applied Automation	30001930	Bartlesville, US	None

513 pH Analyzers

9COM- 6000002667 (CCC 340022) - Analyzer: pH

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
ABB INSTRUMENTATION LTD.	30001058	STONEHOUSE, GB	None
Foxboro Co.	30002059	Foxboro, US	None
GLI International	10018722	Milwaukee, US	None
YOKOGAWA ELECTRIC CORP.	30001465	MUSASHINO-SHI, JP	None
YOKOGAWA ELECTRIC KOFU PLANT	30003284	KOFU, JP	None
Horiba Instruments	10019060	Irvine, CA, US	None
Emerson - Rosemount Analytical Division	30001646	Irvine, US	None

514 Hydrogen Sulfide Monitors; Gas

CCC: 340151 (9COM- 6000002786)

Specification: 34-SAMSS-514; 175-344900

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
DETECTOR ELECTRONICS CORPORATED	30001597	MINNEAPOLIS, US	On-HOLD
GENERAL MONITORS INC	30001693	LAKE FOREST, US	None
DETCO INCORPORATED	30002064	THE WOODLANDS, US	None

515 Moisture Analyzers

CCC: 340018 (9COM- 6000002664)

Specification: 34-SAMSS-515; 175-347400

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
ALPHA MOISTURE SYSTEMS	30000178	BRADFORD, GB	None
PANAMETRICS LIMITED	30001228	SHANNON, IE	None
PANAMETRICS	30001865	WALTHAM, US	None
SHAW MOISTURE METERS (UK) LTD.	30001268	BRADFORD, GB	None
AMETEK PROCESS INSTRUMENTS	30001483	NEWARK, US	None
AMETEK CANADA INC	30003060	CALGARY, CA	None
Servomex	30001293	Crowborough, UK	None

516 Analyzer Shelters

CCC: 340270 (9COM- 6000002898)

Specification: SAES-J-502

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
ABB AUTOMATION E.C.	30000324	Manama, BH	None
ABB PASTECH	30001712	HOUSTON, US	None
Emerson Process Management GmbH	10029032	Wessling, DE	None
Siemens Applied Automation	30001930	BARTLESVILLE, US	None
Computer System Protection (Al-Mannai)	30003513	Dammam, SA	None

517 Density Meter; Gas and Liquid

CCC: 340080 (9COM- 6000002720)

Specification: 34-SAMSS-517; 175-345300

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
THERMO MEASUREMENT LTD.	30001256	WINCHESTER, GB	None
KDG INSTRUMENTS LTD / SOLARTRON MOBREY	30000125	CRAWLEY, GB	None
YOKOGAWA ELECTRIC CORP.	30001465	MUSASHINO-SHI, JP	None
YOKOGAWA ELECTRIC KOFU PLANT	30003284	KOFU, JP	None

518 Gravimeters

9COM- 6000002746 (CCC 340107) – Gravimeter

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
THERMO MEASUREMENT LTD.	30001256	WINCHESTER, GB	None
SOLARTRON MOBREY	30000125	CRAWLEY, GB	None

520 BS&W Analyzers

9COM- 6000002655 (CCC 340008) - Analyzer: Bottom Sediment and Water

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
THERMO MEASUREMENT LTD.	30001256	WINCHESTER, GB	None
FMC Fluid Control/Invalco	10018327	Stephenville, US	None
Halliburton Energy Services.	30001727	US	None
Agar Corp	10023811	Houston, US	None
ROXAR Flow Measurement AS	30003347	STAVANGER, NO	None

521 Chlorine Analyzers and Chlorinators

9COM- 6000002658 (CCC 340011) - Analyzer: Chlorine

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
ABB INSTRUMENTATION LTD.	30001058	STONEHOUSE, GB	None
Emerson - Rosemount Analytical Division	30001646	Irvine, US	None
GLI International	10018722	Milwaukee, US	None
YOKOGAWA ELECTRIC CORP.	30001465	MUSASHINO-SHI, JP	None
YOKOGAWA ELECTRIC KOFU PLANT	30003284	KOFU, JP	None

522 Combustible Gas Monitors

CCC: 340147 (9COM- 6000002782) - Monitor; Gas; Combustible

CCC: 340152 (9COM- 6000002787) - Monitor; Gas; Combustible; Open Path Type

Specification: 34-SAMSS-514; 175-344900

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
DETECTOR ELECTRONICS CORPORATED	30001597	MINNEAPOLIS, US	ON-HOLD
GENERAL MONITORS INC	30001693	LAKE FOREST, US	None
GENERAL MONITORS IRELAND	30003264	Galway, IE	none
DETCO INCORPORATED	30002064	THE WOODLANDS, US	None

523 Conductivity Analyzers

CCC 340013 (9COM- 6000002660) - Analyzer: Conductivity

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
ABB INSTRUMENTATION LTD.	30001058	STONEHOUSE, GB	None
Emerson - Rosemount Analytical Division	30001646	Irvine, US	None
GLI International	10018722	Milwaukee, US	None
Horiba	10019060	Irvine, CA, US	None
YOKOGAWA ELECTRIC CORP.	30001465	MUSASHINO-SHI, JP	None
YOKOGAWA ELECTRIC KOFU PLANT	30003284	KOFU, JP	None

524 Continuous Emission Monitoring Analyzers

9COM- 6000002663 (CCC 340017) - Analyzer: Furnace/Flue Gas

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
ABB Analytical	10026423	Telford, GB	None
AMETEK PROCESS INSTRUMENTS	30001481	PITTSBURGH, US	None
SERVOMEX UK LTD.	30001293	CROWBOROUGH, GB	None
Sick-Maihak AG	10031197	Poppenbütteler Bogen 9b, 22399 Hamburg, DE	Must be sheltered or purged

525 FTIR/NIR Analyzers

9COM- 6000002925 (CCC 340298) - ANALYZER; NIR SPECTROMETER

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
ABB Analytical	10026423	Telford, GB	None
Hamilton Sundstarnd		Pamona, CA, US	None
Yokogawa Electric Corp	30001465	Japan	None

530 Process Color Analyzers

9COM- 6000002659 (CCC 340012) - Analyzer: Color

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
ABB INSTRUMENTATION LTD.	30001058	STONEHOUSE, GB	None
Ametek	30001481	PITTSBURGH, US	None
Horiba	10019060	Irvine, CA, US	None
Metrisa, Inc	10020215	25 Wiggins Avenue Bedford, MA 01730	None

600 Safety

605 Surge Relief Valves

CCC: 340267 (9COM- 6000002896) - Valve; Relief; Surge Relief Station

605.1 Gas Loaded Surge Relief Valves

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
SPX-DANIEL VALVE COMPANY	30001637	HOUSTON, US	None

605.2 Pilot Operated Surge Relief Valves

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
SPX-DANIEL VALVE COMPANY	30001637	HOUSTON, US	None
MOKVELD B.V.	30001213	GOUDA, NL	None
CONTROL COMPONENTS INCORPORATED (CCI)	30001921	RANCHO SANTA MARGARITA, US	None

611 Safety Relief Valves; Flanged, Conventional and Balanced Bellows

CCC: 340238 (9COM- 6000002869)

Specification: 34-SAMSS-611; 175-341900

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
DRESSER AL-RUSHAID VALVE AND	30000428	JUBAIL, SA	None
DRESSER INDUSTRIAL VALVE	30001610	ALEXANDRIA, US	None
ANDERSON GREENWOOD CROSBY	30001299	STOCKPORT, GB	None
ANDERSON GREENWOOD CROSBY	30001812	STAFFORD, US	None
FARRIS ENGINEERING	30003350	Brecksville, US	None
FARRIS ENGINEERING	30003351	Brantford, CA	None
LESER GMBH & CO KG	30003922	Hohewestedt, DE	None
Tyco – Safety Systems UK	30000143	Worsley, UK	None

612 Safety Relief Valves; Pilot Operated

CCC: 340237 (9COM- 6000002868)

Specification: 34-SAMSS-612; 175-342000

612.1 For Processing Plants

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
DRESSER AL-RUSHAID VALVE AND	30000428	JUBAIL, SA	None
DRESSER INDUSTRIAL VALVE	30001610	ALEXANDRIA, US	None
ANDERSON GREENWOOD CROSBY	30001812	STAFFORD, US	None
FARRIS ENGINEERING	30003350	Brecksville, US	None
Tyco – Safety Systems UK	30000143	Worsley, UK	None

612.2 For Storage Tanks and Spheroids

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
Tyco – Whessee	10001826	Manchester, UK	None
Tyco – Varec	30001812	STAFFORD, US	None
ANDERSON GREENWOOD CROSBY	30001812	STAFFORD, US	None

613 Valve; Vent Pressure Vacuum

CCC: 340236 (9COM- 6000002867)

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
L & J TECHNOLOGIES	30001679	HILLSIDE, US	None
ANDERSON GREENWOOD CROSBY	30001812	STAFFORD, US	None
Tyco – Whessoe (UK Factory)	10001826	UK	None
Tyco – Varec (USA Factory)	30001812	STAFFORD, US	None

614 Rupture Discs

9COM- 6000002549 (CCC 340182) - Rupture Disc Assembly

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
BS&B Safety Systems, Inc	30003458	Tulsa, OK, US	None
Fike Metal Products Corp	30003457	Missouri, USA	None

615 Flame Arrestors

9COM- 6000002679 (CCC 340034) - Arrestor: Flame

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
L&J Technologies (Shand and Jurs)	30001679	Hillside, US	None
Tyco – Varec	30002028	Cypress, US	None

616 Check Valve (Gauge Glasses)

9COM- 6000002680 (CCC 340035) - Valve: Backflow Preventer

9COM- 6000002854 (CCC 340223) - Valve: Check; Level Gauge Glass;
 Flow Shut-Off

Inspection Class: C

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
Clark-Reliance-Jerguson Gage and Valve Co	10019404	Strongsville, US	None
Tyco Flow Control-Penberthy Incorporated	30002066	PROPHETSTOWN, US	None
Simco Engineers	10001569	Jarrow, UK	None
Cesare Bonetti	10003565	Garbagnate, IT	None

617 Flame Monitoring Systems

CCC: 340092 (9COM- 6000002732); 175-345600
 Specification: 34-SAMSS-619

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
HAMWORTHY COMBUSTION ENGINEERING	30001164	POOLE, GB	None
ABB INSTRUMENTATION	30001252	PERO, IT	None
FIREYE ELECTRONICS	30001599	DERRY, US	None
FORNEY INTERNATIONAL	30001671	CARROLLTON, US	None
Honeywell, Inc	10019010	Phoenix, AZ, US	None

619 Burner Management Systems for Watertube Boilers

CCC: 340083 (9COM- 6000002723) - Emergency Shutdown System;
 Programmable Logic Controller

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
INDUSTRIAL CONTROL SERVICES LTD.	30001186	MALDON, GB	Trusted R3.4
INDUSTRIAL CONTROL SERVICES	30001898	HOUSTON, US	Trusted R3.4
TRICONEX CORPORATION	30003780	Webster, TX, USA	Tricon V10 or Trident V1.3
Invensys Middle East	30003562	Dubai, UAE	Tricon V10 or Trident V1.3

624 Speed Sensors (RPM)

9COM- 6000002820 (CCC 340187) - Sensor: Speed
 Specification: 34-SAMSS-625

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
Woodward Governor	10001845	Rockford, IL, US	None
BENTLY-NEVADA CORPORATION	30001527	MINDEN, US	None
SKF CONDITION MONITORING,	30001915	SAN DIEGO, US	None
Rockwell Automation-Entek (IRD)	30001908	Milwaukee, Wisconsin, US	None
IRD UK LTD	10000845	Saltney Ferry, UK	None

625 Vibration Monitors; Non-Contacting Type

CCC: 340162 (9COM- 6000002796)

Specification: 34-SAMSS-625; 175-345100

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
BRUEL & KJAER VIBRO A/S	30001096	NAERUM, DK	None
BENTLY-NEVADA CORPORATION	30001527	MINDEN, US	None
SKF CONDITION MONITORING,	30001915	SAN DIEGO, US	None
Rockwell Automaiton-Entek (IRD)	30001908	Milwaukee, Wisconsin, US	None

626 Monitor Systems; Temperature

CCC: 340145 (9COM- 6000002780)

Specification: 34-SAMSS-625

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
Ametek-ROCHESTER INSTRUMENT SYSTEMS LTD	30001249	DUNFERMLINE, GB	None
Ametek-ROCHESTER INSTRUMENT SYSTEMS LTD		225 North Union St., Rochester, NY 14605, US	None
THERMO MEASUREMENT LTD.	30001256	WINCHESTER, GB	None
BENTLY-NEVADA CORPORATION/GE Power	30001527	MINDEN, US	None
Rockwell Automaiton-Entek (IRD)	30001908	Milwaukee, Wisconsin, US	None
SKF CONDITION MONITORING/Vibro-Meter,	30001915	SAN DIEGO, US	None
Vibro-Meter S.A.	30003563	Fribourg, CH	None

627 Shutdown Cabinets - Local, Pneumatic (Deleted)

628 Shut Down Cabinets - Local, Electro-pneumatic

628.1 CCC: 340039 (9COM- 6000002684) - Cabinet: Shutdown, Local, Pneumatic and Electric without Partial Stroke Test Feature

Specification: 34-SAMSS-634

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
ELECTROMACH B.V.	30001126	HENGEL0, NL	None
DRALLIM INDUSTRIES LTD	30003021	BEXHILL-ON-SEA, GB	None
Biffi SPA	30001080	Fiorenzuola D'Arda, IT	None
TOTAL ENGINEERING SERVICES	30001841	HARVEY,US	None

628.2 CCC: 340242 (9COM- 6000002873)

Cabinet: Shutdown, Local, Pneumatic and Electric with Partial Stroke Test Feature

Specification: 34-SAMSS-634

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
DRALLIM INDUSTRIES LTD	30003021	BEXHILL-ON-SEA, GB	None
Biffi SPA	30001080	Fiorenzuola D'Arda, IT	None

628.3 (9COM- 6000010782)

Smart ZV Controller

Smart Valve Controller and Software that provide the local control of Smart ZV with predefined Partial Stroke Test Feature and local test pushbutton

Specification: 34-SAMSS-634

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
EMERSON- FISHER CONTROLS INC	30001650	Marshall Town, US	None
METSO AUTOMATION	30003028	Helsinki, FI	None

629 Bearing Temperature Detector - RTD Type

See 626

630 Bearing Temperature Detector - T/C Type

See 626

631 Bearing Temperature Monitors

9COM- 6000002780 (CCC 340145) - Monitor: Temperature;
 34-SAMSS-625

See category 626 for approved temperature monitor vendors.

632 Vibration Monitors - Seismic Type

9COM- 6000002875 (CCC 340244) - Vibration Monitoring System:
 Seismic

Specification: 34-SAMSS-625

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
BENTLY-NEVADA CORPORATION	30001527	MINDEN, US	None
SKF CONDITION MONITORING, Mertix Instrument Company	30001915	SAN DIEGO, US	None
	10021248	Houston, TX , US	None

635 Wellhead Shut Down Systems

635.1 9COM- 6000003611 (CCC: 450200)- Wellhead Emergency
 Shutdown System for Multi-well Offshore Applications

Specification: 34-SAMSS-624

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
e Production Solutions	30001629	Kingwood, US	None
e Production Solutions	30003312	Dubai, AE	None
CAC LTD	30001063	UK	None
Halliburton Energy Services	30001727	Carrollton, US	None

635.2 9COM- 6000003727 (CCC: 451545) - PANEL:
 HYDRAULIC; SSV/ SSSV; Single-Well Onshore
 Applications

Specification: 34-SAMSS-624

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
Cooper Cameron	30000051	UK	None
e Production Solutions	30003312	Dubai, AE	None
Halliburton Energy Svcs	30001727	US	None
Baker Oil Tools	30001524	Broken Arrow, US	None
Cameron Willis	30003622	Houston, US	None
Wood Group Pressure Control (Barber Industries)	30002704	Edmonton, CA	None

635.3 9COM- 6000003729 (CCC: 451546) - PANEL: SSV/SSSV;
 HYD; SELF CONTAINED

Specification: 34-SAMSS-624

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
Cooper Cameron Singapore	30000018	Singapore	None
Cameron France	30000036	France	None
Baker Oil Tools	30001524	Broken Arrow, US	None
Wood Group Pressure Control (Barber Industries)	30002704	Edmonton, CA	None
Stream Flo	30001950	EDMONTON, CA	None

700 Valves

711 Control Valves; Globe

CCC: 340230 (9COM- 600002861) - Valve: Control; Globe; including Actuator, **positioner** & Regulator

Specification: 34-SAMSS-711; 175-340100

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
SEVERN GLOCON LTD.	30001266	GLOUCESTER,GB	Digital positioner to be supplied from other approved vendors
FISHER NIPPON CO. LTD.	30001402	CHIBA,,JP	None
FISHER CONTROLS INCORPORATED	30001650 30001652	Marshalltown, US SHERMAN, US	None
FISHER ROSEMOUNT HUNGARY LTD	30002081	SZEKESFEHERVAR, HU	None
FISHER ROSEMOUNT S.A.	30003023	CERNAY, FR	None
FLOWERVE CORPORATION	30001513	SPRINGVILLE, US	None
FLOWERVE CORP	30001265	Haywards Heath, GB	None
MASONEILAN DIVISION	30001611	AVON,US	None
NIIGATA MASONEILAN CO LTD	30001391	KARIWA-GUN, JP	None
DRESSER AL-RUSHAID Valves (Masoneilan)	30000428	JUBAIL, SA	None
DRESSER PRODUCTS INDUSTRIES	30001203	CONDE-SUR-NOIREAU, FR	None
DRESSER ITALIA SPA	30003077	CASAVATORE, IT	None

712 Control Valves - Ball and Eccentric Plug (Characterized)

CCC: 340227 (9COM- 600002858) - Valve: Control; Ball; including Actuator, **positioner** & Regulator

Specification: 34-SAMSS-711; 175-340100

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
FLOWERVE CORPORATION	30001513	SPRINGVILLE, US	None
FISHER CONTROLS INCORPORATED	30001652 30001650	SHERMAN, US Marshalltown, US	None
FISHER ROSEMOUNT HUNGARY LTD	30002081	SZEKESFEHERVAR, HU	None
FISHER ROSEMOUNT S.A.	30003023	CERNAY, FR	None
NIPPON FISHER CO. LTD.	30001402	CHIBA,, JP	None
METSO AUTOMATION OY	30003028	HELSINKI, FI	None
MASONEILAN DIVISION	30001611	AVON, US	None
DRESSER AL-RUSHAID VALVES (Masoneilan)	30000428	JUBAIL, SA	None
DRESSER PRODUCTS INDUSTRIES	30001203	CONDE-SUR-NOIREAU, FR	None

713 Control Valves - Butterfly and Rotary Plug

CCC: 340228 (9COM- 600002859) - Valve: Control; Butterfly;
 including Actuator, **positioner** & Regulator

Specification: 34-SAMSS-711; 175-340100

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
NIPPON FISHER CO. LTD.	30001402	CHIBA, JP	None
FISHER CONTROLS Inc	30001650	Marshalltown, US	None
FISHER CONTROLS INCORPORATED	30001652	SHERMAN, US	None
Fisher Rosemount Hungary Ltd	30002081	Szekefahervar, HU	None
FISHER ROSEMOUNT S.A.	30003023	CERNAY, FR	None
FLOWERVE CORP.	30001265	Haywards Heath, GB	None
FLOWERVE CORPORATION	30001513	SPRINGVILLE, US	None
MASONEILAN DIVISION	30001611	AVON, US	None
DRESSER AL-RUSHAID VALVES (Masoneilan)	30000428	JUBAIL, SA	None
METSO AUTOMATION OY	30003028	HELSINKI, FI	None

714 Control Valves - Severe and Non-General Service

CCC: 340261 (9COM- 600002891) - Valve: Control; Non-General
 Service including actuator, **positioner** and accessories

Specification: 34-SAMSS-711

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
SEVERN GLOCON LTD.	30001266	GLOUCESTER,GB	Digital positioner to be supplied from other approved vendors
FLOWERVE CORP.	30001265	Haywards Heath, GB	None
FLOWERVE CORPORATION	30001513	SPRINGVILLE, US	None
MASONEILAN DIVISION	30001611	AVON, US	None
NIIGATA MASONEILAN CO LTD	30001391	KARIWA-GUN, JP	None
FISHER CONTROLS INCORPORATED	30001650	MARSHALLTOWN, US	None
FISHER ROSEMOUNT HUNGARY LTD	30002081	SZEKESFEHERVAR, HU	None
FISHER ROSEMOUNT S.A.	30003023	CERNAY,FR	None
NIPPON FISHER CO. LTD.	30001402	CHIBA, JP	None
CONTROL COMPONENTS INCORPORATED	30001921	RANCHO SANTA MARGARITA, US	None
MACHINEFABRIEK MOKVELD B.V.	30001213	GOUDA, NL	Digital positioner to be supplied from other approved vendors
DRESSER AL-RUSHAID VALVES (Masoneilan)	30000428	JUBAIL, SA	None
DRESSER PRODUCTS INDUSTRIES	30001203	CONDE-SUR- NOIREAU, FR	None

716 Valve Actuators; Pneumatic; On-Off

CCC: 340271 (9COM- 6000002899) - Actuator: For Operating On/Off Valve; Air/Nitrogen Powered; Diaphragm Operated

CCC: 340275 (9COM- 6000002903) - Actuator: For Operating Valve; Pneumatic Piston

Specification: 34-SAMSS-716; 175-341000

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
ROTORK FLUID SYSTEMS SRL	30000067	COSELLI, IT	None
ROTORK CONTROLS, INCORPORATED	30001913	ROCHESTER, US	None
DRESSER ITALIA SPA	30000231	VOGHERA, IT	None
BETTIS ACTUATORS AND CONTROLS	30001531	WALLER, US	None
BETTIS CANADA LTD	30001532	EDMONTON, CA	None
METSO AUTOMATION OY	30003028	HELSINKI, FI	None
BIFFI SPA	30001080	FIORENZUOLA D'ARDA, IT	None
FLOWERVE FLOW CONTROL UK	30000139	HAYWARDS HEATH, GB	None

717 Valve Actuators; Hydraulic and Electro/Hydraulic

CCC: 340274 (9COM- 6000002902)

Specification: 34-SAMSS-717 to purely hydraulic only

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
Dresser Italia SPA	30000231	Voghera, IT	None
Biffi SPA	30001080	Fiorenzuola d'arda, IT	On/off only
Bettis Actuators and Controls	30001531	Waller, US	On/off only
Bettis Canada Ltd	30001532	Edmonton, CA	On/off only
Rotork Fluid Systems SRL	30000067	Coselli, IT	On/off only
Rotork Controls, Incorporated	30001913	Rochester, US	On/off only
REXA/Koso America	30003793	W. Bridgewater, MA, US	Throttling & on/off

718 Valve Actuators – Electric

718.1 Electrical Actuators for Control Applications

9COM- 6000002901 (CCC 340273) - Actuator: For Operating Valve; Electric Motor

Specification: 34-SAMSS-718; 175-341000

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
E.I.M. Company, Inc	30001622	Missouri City, US	None
BIFFI SPA	30001080	FIORENZUOLA D'ARDA , IT	None
Limitorque Corp	30001801	LYNCHBURG, US	None
AUMA	30003193	Mullheim, DE	None
ROTORK CONTROLS, INCORPORATED	30001913	ROCHESTER, US	None
ROTORK CONTROLS LTD	30000069	BATH, UK	None
REXA/Koso America	30003793	W. Bridgewater, MA, US	Throttling & on/off

718.2 Electrical Actuators for ESD/Wellhead Applications

9COM- 6000010821- Actuator: For Operating Valve; Electric Motor, Fail Safe Design

Specification: 34-SAMSS-718

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
BIFFI SPA (EFS)	30001080	FIORENZUOLA D'ARDA, IT	Fail-safe ESD
ROTORK CONTROLS, INCORPORATED (EH)	30001913	ROCHESTER, US	Fail-safe ESD
Cameron	30003622	Houston, US	Wellhead
Halliburton (LEO)	30001727	Carrollton, US	Wellhead

719 Regulators - Pressure and Flow

9COM- 6000002810 (CCC 340177) - Regulator: Pressure; Flow

Inspection Class: C

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
Masoneilan International, Inc	30001611	AVON, US	None
Dresser Al-Rushaid	30000428	Jubail, SA	None
Emerson-Fisher Controls	30003758	McKINNEY, US	None

720 Regulators - Temperature

9COM- 6000002811 (CCC 340178) - Regulator: Temperature

Inspection Class: C

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
Amot Controls Corp	10003145	Bury St Edmunds, GB	None
ABB	10018670	Rochester, US	None
Leslie Controls Company	10017073	Tampa, US	None

721 Control Valves: Axial Flow

CCC: 340233 (9COM- 6000002864) - Valve: Control; Axial Flow
 (Straight Thru); Including Actuator, positioner and Regulator

Specification: 34-SAMSS-711

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
DANIEL VALVE COMPANY	30001637	HOUSTON, US	None
MACHINEFABRIEK MOKVELD B.V.	30001213	GOUDA, NL	None
Dresser Al-Rushaid	30000428	Jubail, SA	None

722 Control Valves; Automatic Recirculation

CCC: 340225 (9COM- 6000002856)

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
SCHROEDAHL ARAPP GMBH & CO. KG	30001261	REICHSHOF- MITTELAGGER, DE	None
H. SCHROEDER & CO. GMBH & CO. KG	30001260	GUMMERSBACH- ELBACH, DE	None
Tyco Valves & Control-Yarway	30001812	Stafford, TX, US	None

723 Control Valves; Desuperheating

CCC: 340229 (9COM- 6000002860) – Valve: Control; Desuperheating; including Actuator, Regulator, Positioner

Specification: 34-SAMSS-711

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
Fisher Controls	30001650	Marshalltown, US	None
Masoneilan Division	30001611	Avon, US	None
Dresser Al-Rushaid	30000428	Jubail	None

800 Panel Instrumentation

811 Controllers and Indicators – Analog

9COM- 6000002700 (CCC 340060) - Controller/Indicator: For Panel Mounting

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
Foxboro Co.	30002059	Foxboro, US	None
ABB Automation	10003364	ST NEOTS, GB	None
Honeywell, Inc	10019010	Phoenix, AZ, US	None
Yokogawa Electric Corp	30001465	Japan	None

812 Recorders

9COM- 6000002805 (CCC 340172) - Recorder: Chart

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
Foxboro Co.	30002059	Foxboro, US	None
ABB	10003364	ST NEOTS, GB	None
Barton Instrument Systems	10003760	BOGNOR, GB	None
Honeywell, Inc	10019010	Phoenix, AZ, US	None
Yokogawa Electric Corp	30001465	Japan	None

813 Indicators - Multi-point, Thermocouple

9COM- 6000002753 (CCC 340115) - Indicator: Multi-point

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
Ametek-Rochester Instrument Systems	10002603	Dunfermline, GB	None
Yamatake	30001464	Kanagawa pref., JP	None
Honeywell, Inc	10019010	Phoenix, AZ, US	None
Yokogawa Electric Corp	30001465	Japan	None
Thermo Electric Co., Inc	30001963	109 N. Fifth Street, Saddle Brook, NJ 07663, US	None

814 Recorders - Multi-point

9COM- 6000002807 (CCC 340174) - Recorder: Multi-point

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
Yamatake	30001464	Kanagawa pref., JP	None
Foxboro Co. (Invensys)	30002059	Foxboro, US	None
Honeywell, Inc	10019010	Phoenix, AZ, US	None
Yokogawa Electric Corp	30001465	Japan	None

815 Annunciator Panel: Solid State And Plug-In Module

CCC: 340033 (9COM- 6000002678)

Specification: 34-SAMSS-815; 175-343300

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
RONAN ENGINEERING COMPANY	30001909	WOODLAND HILLS, US	None
RONAN ENGINEERING LIMITED	30003140	WASHINGTON, GB	None
RTK ENGINEERING LTD	30003273	HARROGATE, GB	None
Ametek-Rochester Instrument	30001249	Dunfermline, GB	None
Panalarm Division	30001482	W CHICAGO, US	None

817 Graphic Displays

9COM- 6000002745 (CCC 340106) - Graphic Display: Mapboard and Process Diagrammatic

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
Ametek-Rochester Instrument	30001249	Dunfermline, GB	None
ABB AUTOMATION LTD	10003364	St Neots, GB	None
Ronan Engineering Co.	30003140	WASHINGTON,GB	None
RTK Engineering	30003273	HARROGATE,GB	None
Mauell	10015046	Velbert, DE	None

818 Controllers – Field

9COM- 6000002703 (CCC 340063) - Controller: Field

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
Emerson Fisher Controls	30001650	MARSHALLTOWN,US	None
Foxboro Co. (Invensys)	30002059	Foxboro, US	None
Ronan Engineering Co.	30003140	WASHINGTON, GB	None

819 Recorders – Field

9COM- 6000002805 (CCC 340172) - Recorder: Chart

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
Foxboro Co.	30002059	Foxboro, US	None
ABB AUTOMATION LTD	10003364	St Neots, GB	None
Barton Instrument Systems	10003760	Bognor, GB	None

820 Control Panels; Indoor; Hardware-only; Does Not include integrators

CCC: 340057 (9COM- 6000002697)

Specification: 34-SAMSS-820

Inspection Class: A

Commentary note in paragraph 5.3 applies.

821 Control Panels; Outdoor; Hardware-only; Does not include integrators

CCC: 340058 (9COM- 6000002698)

Specification: 34-SAMSS-821

Inspection Class: A

Commentary note in paragraph 5.3 applies.

822 Single Loop Controllers

9COM- 6000002706 (CCC 340066) - Controller: Microprocessor

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
Emerson Process Management	10003636	Leicester, GB	None
Foxboro Co. (Invensys)	30002059	Foxboro, US	None
Honeywell, Inc	10019010	Phoenix, AZ, US	None
Yokogawa Electric Corp	30001465	Japan	None

825 Relays - Electro-magnetic

9COM- 6000002812 (CCC 340179) - Relay: Electro Magnetic

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
Tyco – Potter and Brumfield	10019820	Winston, US	None
Cutler Hammer	10017874	Milwaukee, US	None
Omron (www.omron.com)	10004446	Electronic Components 55 Commerce Drive, Schaumburg, IL 60173 USA	None
Phoenix Contacts	10004060	Blomberg, DE	None
Allen Bradley/Rockwell Automation		Brussels, Belgium	None

826 Relays – Pneumatic

9COM- 6000002813 (CCC 340180) - Relay: Pneumatic

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
Emerson-Fisher Controls Co.	30001650	Marshalltown, US	None
Fairchild Industrial Products Co.	10018199	3920 West Point Blvd. • Winston-Salem, NC 27103	None
Siemens- Moore Products	10002425	Yeovil	None
Marsh Bellofram	60007017	9 Castle Park Queens Drive, Nottingham NG2 1AH	None

827 Solenoid Valves

9COM- 6000002871 (CCC 340240) - Valve: Solenoid Operated

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
Automatic Switch Co. (ASCO)	1000358	Scherpenzeel, NL	None
Automatic Switch Co. (ASCO)	10018037	Florham, US	
Automatic Switch Co. (ASCO)	10004648	Japan	None
Circle Seal Controls	10023208	Corona, CA, US (http://www.circle-seal.com/)	None
Maxseal (FCX Thompson Valves)	10003159	Dorset, UK (http://www.thompson-valves.co.uk/)	None
Parker-Skinner Valve Division		New Britain, CT, US (http://www.parker.com/ead/cm1.asp?cmid=311)	None
Versa Valves	10022525	PARAMUS, US	None

828 Transducers - Signal Conversion

9COM- 6000002848 (CCC 340217) - Transducer: Signal Conversion

828.1 (I/P) Transducers

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
Emerson-Fisher Controls Co.	30001650	Marshalltown, US	None
ABB instrumentation Ltd	30001058	STONEHOUSE, GB	None
ABB instrumentation Ltd	30001098	CHEADLE, GB	
ABB Automation	30001714	WARMINSTER, US	
Foxboro Co. (Invensys)	30002059	Foxboro, MA, US	None
MASONEILAN DIVISION	30001611	AVON, US	None
DRESSER AL-RUSHAID VALVE AND	30000428	JUBAIL, SA	None
Moore Products (Siemens)		http://www.sea.siemens.com/ia/default.html	None

828.2 E/I Transducers

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
Foxboro Co. (Invensys)	30002059	Foxboro, MA, US	None
Honeywell, Inc.	10019010	Phoenix, AZ, US	None
Rochester Instrument Co.	10019962	Rochester, US	None

829 Pilot Valves

9COM- 6000002918 (CCC 340291) - Valve: Pilot

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
Automatic Switch Co. (ASCO)	10000358	Scherpenzeel, NL	None
Automatic Switch Co. (ASCO)	10004648	Japan	None
Versa Valves	10022525	PARAMUS, US	None

830 Controller; Programmable Logic

CCC: 340068 (9COM- 6000002708)

Specification: 34-SAMSS-830, 175-344000

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
SIEMENS AG-A&D AS EWK	30003832	KARLSRUHE, DE	S7-400 Series Only
GE FANUC AUTOMATION	30001686	CHARLOTTESVILLE, US	None
ALLEN BRADLEY/ROCKWELL AUTOMATION	30001908	MAYFIELD HEIGHTS, US	None
ABB INSTRUMENTATION	30001252	PERO, IT	None
AEG SCHNEIDER AUTOMATION INC.	30001468	NORTH ANDOVER, US	None

831 Package Unit Instrumentation

Commentary note in paragraph 5.3 applies. Mandatory requirements are specified in 34-SAMSS-831.

900 Installation

904 Foundation Fieldbus (FF) Power Supplies

9COM- 6000010825

Specification: Mandatory requirements are perSAES-J-904

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
MTL/Relcom Inc.	10005043	Luton, UK	None
MTL/Relcom Inc	10001178	Demmel, NL	None
Pepperl & Fuchs,	10015196	Mannheim-Schonau, DE	None

905 Foundation Fieldbus (FF) Wiring Blocks

9COM- 6000010781

Specification: Mandatory requirements are per SAES-J-904

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
MTL/Relcom Inc.	10005043	Luton, UK	None
MTL/Relcom Inc	10001178	Demmel, NL	None
Pepperl & Fuchs,	10015196	Mannheim-Schonau, DE	None
Hawke	10003215	Ashton-Under-Lyne, UK	None

906 Foundation Fieldbus (FF) Terminators

9COM- 6000010826

Specification: Mandatory requirements are per SAES-J-904

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
MTL/Relcom Inc.	10005043	Luton, UK	None
MTL/Relcom Inc	10001178	Demmel, NL	None

911 Junction Boxes – Electrical

9COM- 6000000794 (CCC 150002) - Box: Junction; Aluminum, Steel, Iron, Plastic or Fiberglass; Bodies and Components

9COM- 6000000830 (CCC 150056) - Box: Junction; Explosion Proof

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
Crouse Hinds Co.	10017271	Syracuse, US	None
Hawa Electric Panel	10012799	Dammam, SA	None
Hoffman	10020718	2100 Hoffman Way, Anoka, MN, US	None
Hubbell Wiegmann	http://www.hubbell-wiegmann.com/	St. Louis, MO, US	None
Remal Factory	10013570	Khobar, SA	None
Rittal	30003116	Herborn	None
Weidmuller	10002330	Kent, UK	None

912 Junction Boxes – Pneumatic

9COM-6000010824

Specification: 34-SAMSS-821

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
Bebco Industries	60006448		None
Sitek			None

913 Instrument Wire and Cable

9COM- 6000000805 (CCC: 150015) - Cable: Instrumentation &
 Thermocouple; per 34-SAMSS-913

9COM- 6000002686 (CCC 340041) - Cable: Instrumentation & Control;
 per 34-SAMSS-913

Specification: 34-SAMSS-913; 175-347600

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
KERPENWERK GMBH AND CO	30000017	STOLBERG,DE	None
MIDDLE EAST SPECIALIZED CABLES CO.	30000660	RIYADH,SA	None
TE WIRE AND CABLE LLC	30003774	Saddle Brook, US	None
BELDEN WIRE & CABLE	30001526	RICHMOND,US	None
BELDEN (CANADA) INC.	30003545	COBOURG,CA	None
DEKORON WIRE AND CABLE	30001824	MOUNT PLEASANT,US	None
THE OKONITE COMPANY	30001857	ASHTON,US	None
OKAZAKI MANUFACTURING	30001422	Hyogo Pref., JP	None

* Thermo Electric Wire and Cable LLC was spun off Thermo Electric Co Inc (30001963). A new SAP manufacturer ID is required for the Cable company.

915 Tubing; Metallic

9COM- 6000000028 (CCC 010029) - Tubing: Alloy

9COM- 6000000068 (CCC: 010206) – Tubing Metallic; Stainless Steel

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
SCHOELLER-BLECKMANN	30000064	TERNITZ, AT	None
AVESTA SANDVIK TUBE AB	30000208	STORFORS, SE	None
AVESTA POLARIT STAINLESS TUBE AB	30003548	FAGERSTA, SE	None
SANDVIK MATERIALS TECHNOLOGY AB	30001254	SANDVIKEN, SE	None
SANDVIK STEEL CANADA	30003143	ARNPRIOR, CA	None
SANDVIK TUBULAR PRODUCTS	30003519	CLARKS SUMMIT, US	None
SUMITOMO METAL IND.	30001449	AMAGASAKI-SHI, JP	None
HANDY & HARMAN INCORPORATED	30001729	NORRISTOWN, US	None
ASSOCIATED TUBE INDUSTRIES	30001916	MARKHAM, CA	None
The Indian Seamless Metal Tube	10012889	Pune, IN	None

916 Sun Shades (DELETED)

918 Cable and Support Tray

9COM- 6000000744 (CCC 140009) - Cable Tray: Aluminum

9COM- 6000000775 (CCC 140044) - Cable Tray: Fiberglass

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
SAUDI ELECTRIC INDUSTRIES COMPANY	30000881	JEDDAH, SA	None
M. P. HUSKY	30003168	GREENVILLE, US	None
COOPER B-LINE, INCORPORATED	30002063	HIGHLAND, US	None
ABAHSAIN-COPE SAUDI ARABIA LIMITED	30000242	DHAHRAN, SA	None
WAHA ELECTRIC SUPPLY COMPANY OF	30001034	DAMMAM, SA	None

919 Valve: Instrument

9COM- 600000304 (CCC 040115) - Valve: Instrument

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
Tyco-Anderson Greenwood Instrumentation	30001781	Harlingen, US	None
Hoke, Inc	30002062	Spartanburg, SC, USA	None
Oliver Valves Limited	30000035	Knutsford, GB	None
Merwede Valves	30001208	Hardinxveld, NL	None
Parker Hannifin	10002440	UK	None
Parker Hannifin	30001868	Jacksonville, AL, US	None
Swageloc Highland	30001581	Highland, OH, US	None

920 Valve Manifolds for Instrument-Process Interface

9COM- 6000002768 (CCC 340131) - Manifold: Instrument or Pressure

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
Tyco-Anderson Greenwood Instrumentation	30001781	Harlingen, US	None
Hoke, Inc	30002062	Spartanburg, SC, USA	None
Oliver Valves Limited	30000035	Knutsford, GB	None
Parker Hannifin	10002440	UK	None
Parker Hannifin	30001868	Jacksonville, AL, US	None
Vesta-PGI-Manufacturing	10022527	16101 Vallen Dr., Houston, TX 77041	None

921 Air Filter – Regulators

9COM- 6000002809 (CCC 340176) - Regulator: Air-Filter

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
Emerson-Fisher Controls Co.	30001650	Marshalltown, US	None
Fairchild Industrial Products Co.	10018199	3920 West Point Blvd. • Winston-Salem, NC 27103	None
IMI Norgren	10021386	Littleton, US	None
Marsh Bellofram	60007017	9 Castle Park Queens Drive, Nottingham, NG2 1AH	None
Parker Hannifin	10020634	Hermitage Lane, Maidstone, Kent, ME16 9NT, UK	None

922 Tubing Fittings

9COM- 6000000221 (CCC 030015) - Fitting: Tubing; Flared; Includes
Adapters, Sleeves, Nuts, Connectors, Tees, Unions, etc.

MANUFACTURER	VENDOR/ PLANT ID	LOCATION	LIMITATIONS
Crawford Fitting Co. (Swagelok)	http://www.swagelok.com	29500 Solon Road, Solon, OH 44139, US	None
Parker Hannifin CPI & A-Lok	10002440	Kent ME16 9NT, UK	None
Hoke Incorporated (Gyrolok)	www.hoke.com	1-3 Bouverie Road Harrow, Middlesex UK HA1 4HB	None
Parker Hannifin (CPI & A-LOK)	10032873	MAINZ-KASTEL, DE	None
Parker Hannifan	30001868	JACKSONVILLE, US	None

Revision Summary

29 June 2005
28 May 2006

Major revision to update vendor information and remove Inspection Class from SAES-J-002.
Minor revisions.