

Distributed To:	Engineering Standard Notice	Issued	Approved	Checked	Checked	Prepared
1st W/H Devlp.	<i>Establishment, Revisions, and Terminations</i>	No.	E. Leszczynski	J. Holthus		A. Hunt
2nd W/H Devlp.			1/22/2010	1/22/2010	Date:	1/22/2010
Electronics	*Please be notified that an Engineering Standard is (established, <u>revised</u> , terminated) as follows					
Connector						
W/H Manufacturing	*According to this notice, please (replace, correct, add) within two days after receiving the Standard.					
P.S. Planning						
O.E.D.	*In case of replacement or termination, return the old standard to us by / / . (Day/Month/Year)					
YNA-EC		Engineering Standard Name			YPES No.	
YKE-sent by EC	OLD	Substance of Concern Rev. C			YPES-31-038	
YUK-DC-sent by EC	Date: 8/5/2009				8/5/09	
P.M. Only	NEW	Substance of Concern Rev. D			YPES-31-038	
NC Purchasing	Date: 1/22/10				1/22/10	
H.M. Only	Keynote:					
EDS Comp. Sales						
HIB Prod. Eng.						
Wire P.S. Only						
NC EDS R&D						
KSG Engineering						
	Reason:	Added Reference section 5.11, Chemical Substance Management				
		Standard (YOS-C21-010G), creating a linkage between the two specifications.				
		Also, identify the YOS... and YPES... numbers as Yazaki specifications				
TOTAL ___ COPIES						

YAZAKI

ISSUED
22 January 2010
Yazaki North America, Inc.

	YAZAKI SPECIFICATION	YPES-31-038
Substance of Concern		Revision: D YNA EDS – Engineering Services & Applications

1.0 Purpose

The purpose of this standard is to restrict / stop the usage of the substances classified as Substances of Concern (SoC) or Substances of Very High Concern (SVHC) and to facilitate compliance with current and future regulations.

2.0 Scope of Application

This standard applies to substances that are present in any purchased or manufactured material, component or assembly sold to a Yazaki North America (YNA) customer.

3.0 Definitions

- 3.1 SoC: Substance of Concern
- 3.2 SVHC: Substance of Very High Concern
- 3.3 IMDS: International Material Data System (<http://www.mdssystem.com>)
- 3.4 GADSL: Global Automotive Declarable Substance List (<http://www.gadsl.org>)
 - 3.4.1 Substances in GADSL are classified into 3 categories:
 - P - All usage prohibited per GADSL threshold.
 - D/P – Declarable/Prohibited depending upon usage, otherwise declaration required
 - D - Declaration normally required when usage exceeds defined threshold value.
 - 3.4.2 Yazaki Group has categorized substances as follows for usage:
 - "P" and "D/P" --> "Prohibited Substances."
 - "D" --> "Declarable Substance."
- 3.5 GASG: Global Automotive Stakeholders Group
- 3.6 ECHA: European Chemicals Agency
- 3.7 MDS: Material Data Sheet
- 3.8 BOM: Bill of Material

4.0 LIST OF PROHIBITED SUBSTANCES

- 4.1 ECHA publishes the list of SVHC
- 4.2 GASG technical teams create dossier for SVHC automotive applications.
- 4.3 GASG adds SVHC to GADSL
- 4.4 GADSL is determined by GASG and is a list of SoC's and SVHC's revised periodically.

5.0 References

- 5.1 Directive 2000/53/EC of the European Parliament and of the Council on End-of-Life Vehicles (ELV)
- 5.2 Directive 1907/2006/EC – Registration, Evaluation, Authorization and Restriction of Chemicals (REACH)
- 5.3 Directive 2004/12/EC Packaging and Packaging Waste
- 5.4 Global Automotive Declarable Substance List (GADSL)
- 5.5 Directive 2002/96/EC of the European Parliament and of the Council on Waste Electrical and Electronic Equipment (WEEE)
- 5.6 Directive 2002/95/EC of the European Parliament and of the Council on the restriction of the use of certain Hazardous Substances (RoHS) in Electrical and Electronic Equipment
- 5.7 Directive 2004/12/EC Packaging and Packaging Waste
- 5.8 YNA Quality Manual
- 5.9 Yazaki Environmental Material Reporting (YEMR; YAEN-IM-C2-001p)

- 5.10 Yazaki SoC Testing Procedure (YAEN-TC-S8-022p)
 5.11 Yazaki Chemical Substance Management Standard (YOS-C21-010G)

6.0 Supplier Responsibilities

Suppliers are responsible to comply with applicable laws and regulations as amended. These include but are not limited to:

- 6.1 Directive 2000/53/EC of the European Parliament and of the Council on End-of-Life Vehicles (ELV)
 6.2 Directive 1907/2006/EC – Registration, Evaluation, Authorization and Restriction of Chemicals (REACH)
 6.3 Global Automotive Declarable Substance List (GADSL)
 6.4 Directive 2002/96/EC of the European Parliament and of the Council on Waste Electrical and Electronic Equipment (WEEE)
 6.5 Directive 2002/95/EC of the European Parliament and of the Council on the restriction of the use of certain Hazardous Substances (RoHS) in Electrical and Electronic Equipment
 6.6 Directive 2004/12/EC Packaging and Packaging Waste

7.0 YNA Responsibilities

- 7.1 Design Engineering to provide Drawing / BOM's to initiate SoC / SVHC review as part of Design Review / Design Change Processes
 7.2 Request, confirm and verify supplier compliance to GADSL via MDS (Yazaki Environmental Material Reporting (YEMR; YAEN-IM-C2-001p)
 7.2.1 At initial supplier IMDS submission
 7.2.2 At final IMDS submission to customer
 7.3 Validate ELV conformance via qualitative and quantitative testing (YAEN-TC-S8-022p SoC Testing)
 7.4 Reporting SoC / SVHC compliance with PPAP documentation
 7.5 Ensure this specification is in alignment with YOS-C21-010G

8.0 Revision History

Date	Revision	Approved	Author
4/23/07	A	G. DeGrendel	B. Fishman L. Cooper
5/15/09	B	E. Leszczynski	J. Holthus K. Haubert A. Hunt
8/05/09	C	E. Leszczynski	A. Hunt J. Holthus
1/22/2010	D	E. Leszczynski	A. Hunt J. Holthus

9.0 Approvals

Date	Revision	Title	Approved
4/23/07	A	Director	Glen DeGrendel
5/15/09	B	Sr. Manager	Eric Leszczynski
8/05/09	C	Sr. Manager	Eric Leszczynski
1/22/10	D	Sr. Manager	Eric Leszczynski