



ALTAIR

ONLY FORWARD

Altair Safety Report Manager
2022.3

Release Notes

[altair.com](https://www.altair.com)

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Altair Embed® ©1989-2023

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Altair Embed®/Digital Power Designer ©2012-2023

Altair Embed® Viewer ©1996-2023

Altair® ESAComp® ©1992-2023

Altair® Feko® ©1999-2023

Altair® Flow Simulator™ ©2016-2023

Altair® Flux® ©1983-2023

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Altair® Inspire™ Print3D ©2021-2023
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Altair® Structural Office™ ©2022-2023

Altair® SEAM® ©1985-2023

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Altair® SimLab® ST ©2019-2023

Altair SimSolid® ©2015-2023

Altair® ultraFluidX® ©2010-2023

Altair® Virtual Wind Tunnel™ ©2012-2023

Altair® WinProp™ ©2000-2023

Altair® WRAP™ ©1998-2023

Altair® GateVision PRO™ ©2002-2023

Altair® RTLvision PRO™ ©2002-2023

Altair® SpiceVision PRO™ ©2002-2023

Altair® StarVision PRO™ ©2002-2023

Altair® EEvision™ ©2018-2023

Altair Packaged Solution Offerings (PSOs)

Altair® Automated Reporting Director™ ©2008-2022

Altair® e-Motor Director™ ©2019-2023

Altair® Geomechanics Director™ ©2011-2022

Altair® Impact Simulation Director™ ©2010-2022

Altair® Model Mesher Director™ ©2010-2023

Altair® NVH Director™ ©2010-2023

Altair® NVH Full Vehicle™ ©2022-2023

Altair® NVH Standard™ ©2022-2023

Altair® Squeak and Rattle Director™ ©2012-2023

Altair® Virtual Gauge Director™ ©2012-2023

Altair® Weld Certification Director™ ©2014-2023

Altair® Multi-Disciplinary Optimization Director™ ©2012-2023

Altair HPC & Cloud Products

Altair® PBS Professional® ©1994-2023

Altair® PBS Works™ ©2022-2023

Altair® Control™ ©2008-2023

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Altair Mistral™ ©2022-2023

Altair® Grid Engine® ©2001, 2011-2023

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Altair Data Analytics Products

Altair Analytics Workbench™ © 2002-2023

Altair® Knowledge Studio® ©1994-2023

Altair® Knowledge Studio® for Apache Spark ©1994-2023

Altair® Knowledge Seeker™ ©1994-2023

Altair® Knowledge Hub™ ©2017-2023

Altair® Monarch® ©1996-2023

Altair® Panopticon™ ©2004-2023

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2022.3

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Technical Support

Altair provides comprehensive software support via web FAQs, tutorials, training classes, telephone, and e-mail.

Altair One Customer Portal

Altair One (<https://altairone.com/>) is Altair's customer portal giving you access to product downloads, a Knowledge Base, and customer support. We recommend that all users create an Altair One account and use it as their primary portal for everything Altair.

When your Altair One account is set up, you can access the Altair support page via this link:

www.altair.com/customer-support/

Altair Community

Participate in an online community where you can share insights, collaborate with colleagues and peers, and find more ways to take full advantage of Altair's products.

Visit the Altair Community (<https://community.altair.com/community>) where you can access online discussions, a knowledge base of product information, and an online form to contact Support. After you login to the Altair Community, subscribe to the forums and user groups to get up-to-date information about release updates, upcoming events, and questions asked by your fellow members.

These valuable resources help you discover, learn and grow, all while having the opportunity to network with fellow explorers like yourself.

Altair Training Classes

Altair's in-person, online, and self-paced trainings provide hands-on introduction to our products, focusing on overall functionality. Trainings are conducted at our corporate and regional offices or at your facility.

For more information visit: <https://learn.altair.com/>

If you are interested in training at your facility, contact your account manager for more details. If you do not know who your account manager is, contact your local support office and they will connect you with your account manager.

Telephone and E-mail

If you are unable to contact Altair support via the customer portal, you may reach out to technical support via phone or e-mail. Use the following table as a reference to locate the support office for your region.

Altair support portals are available 24x7 and our global support engineers are available during normal Altair business hours in your region.

When contacting Altair support, specify the product and version number you are using along with a detailed description of the problem. It is beneficial for the support engineer to know what type of workstation, operating system, RAM, and graphics board you have, so include that in your communication.

Location	Telephone	E-mail
Australia	+61 3 9866 5557	anzsupport@altair.com
Brazil	+55 113 884 0414	br_support@altair.com
Canada	+1 416 447 6463	support@altairengineering.ca
China	+86 400 619 6186	support@altair.com.cn
France	+33 141 33 0992	francesupport@altair.com
Germany	+49 703 162 0822	hwsupport@altair.de
Greece	+30 231 047 3311	eesupport@altair.com
India	+91 806 629 4500 +1 800 425 0234 (toll free)	support@india.altair.com
Israel		israelsupport@altair.com
Italy	+39 800 905 595	support@altairengineering.it
Japan	+81 3 6225 5830	jp-support@altair.com
Malaysia	+60 32 742 7890	aseansupport@altair.com
Mexico	+52 55 5658 6808	mx-support@altair.com
New Zealand	+64 9 413 7981	anzsupport@altair.com
South Africa	+27 21 831 1500	support@altair.co.za
South Korea	+82 704 050 9200	support@altair.co.kr
Spain	+34 910 810 080	support-spain@altair.com
Sweden	+46 46 460 2828	support@altair.se
United Kingdom	+44 192 646 8600	support@uk.altair.com
United States	+1 248 614 2425	hwsupport@altair.com

If your company is being serviced by an Altair partner, you can find that information on our web site at <https://www.altair.com/PartnerSearch/>.

See www.altair.com for complete information on Altair, our team, and our products.

Altair Safety Report Manager

The Altair Safety Report Manager (aka ASRM) is a fully customizable automatic report generation utility for crash & safety regulations. It is a Data-to-Design platform to Enhance and Accelerate product development life cycle. It creates a First Sight Report PPT for all crash regulations. A standard report is generated for each mode which contains Model information, Run quality statistics, Occupant & structure requirements etc. ASRM supports automatic report generation across architecture of vehicles – Sedan, Coupe, SUV, Truck etc.

Some of the important features of the ASRM solution (part of the V2022.3 release) is listed below.

- ASRM supports 50+ modules including both structural and occupant modules for various regulations across the 3 impact cases (frontal, rear & side impact).
- ASRM has Unit Support capability. 3 different unit systems are supported as per solver convention.
- ASRM supports 20+ occupant modules across various regulations
- All occupant modules in ASRM support Radioss (T01) and LsDyna (binout) time history data
- All occupant modules in ASRM support physical test data. 2 formats are supported namely HDF & ISO MME
- ASRM has the capability to generate both PowerPoint & HTML reports.
- Occupant modules in ASRM have the STAR rating and POINT scoring capability.
- ASRM has the capability to overlay multiple design iteration data (both CAE & physical test data). Users can overlay the plots and compare CAE vs CAE or CAE vs physical Test data or Test vs Test results data.
- ASRM can run in complete batch mode.
- ASRM is integrated seamlessly on both Windows & Linux platforms.

- ASRM V2022.3 supports following crash modes.

Front Impact:

Crash Regulation	Crash Mode	Structure	Occupant
EURONCAP	Full Width	Yes	1st Row Left – H3 5 TH 2nd Row Right - H3 5 TH
FMVSS 208	Full Frontal	Yes	1st Row Left – H3 5 TH , H3 50 TH 1st Row Right – H3 5 TH , H3 50 TH
FMVSS 208	ODB	Yes	1st Row Left – H3 5 TH 1st Row Right – H3 5 TH
FMVSS 208	Rigid Barrier – In Position	Yes	1st Row Left – H3 5 TH , H3 50 TH 1st Row Right – H3 5 TH , H3 50 TH
FMVSS 208	Rigid Barrier – Out Position	Yes	1st Row Left – H3 5 TH 2nd Row Left – CRABI 12m, H3 3yo, H3 6yo
GNCAP	ODB	Yes	1st Row Left – H3 50 TH (LSTC_130528) 1st Row Right - H3 50 TH (LSTC_130528) 2nd Row Left – Q1.5 2nd Row Right – Q3
IIHS	ODB	Yes	1st Row Left – H3 50 TH
IIHS	SORB	Yes	1st Row Left – H3 50 TH
JNCAP	Full Width	Yes	1st Row Right – H3 50 TH 2nd Row Left - H3 5 TH
JNCAP	ODB	Yes	1st Row Right – H3 50 TH 2nd Row Left - H3 5 TH
USNCAP	Full Rigid Barrier 2023	Yes	1 st Row Left – H3 50 th 1 st Row Right – H3 5 th

Rear Impact:

Crash Regulation	Crash Mode	Structure
AIS 100	Full & Offset	Yes
FMVSS 202A 301	Full & Offset	Yes
GB T 24550 2009	Full & Offset	Yes
UN R34	Full & Offset	Yes

Side Impact:

Crash Regulation	Crash Mode	Structure	Occupant
CNCAP	MDB	Yes	1st Row Left – WSID50 5.0, 6.0, 7.1 2nd Row Left – SBLD 4.0.2, 4.3.1
ECE R95	MDB	Yes	1st Row Left – ES2Re 6.0, 7.0, 8.0.2
EURONCAP	MDB	Yes	1st Row Left – WSID50 5.0, 6.0, 7.1 2nd Row Left – Q10; 2nd Row Right – Q6
EURONCAP	Pole	Yes	1st Row Left (left impact) - WSID50 5.0, 6.0, 7.1 1st Row Right (right impact) – WSID50 5.0, 6.0, 7.1
FMVSS 214	MDB	Yes	1st Row Left - ES2RE (v6.0, 7.0, 8.0.2) 2nd Row Left - SID IIs (SBLD v4.0.2, v4.3.1)
FMVSS 214	Pole	Yes	1st Row Left – ES2RE (v6.0, 7.0, 8.0.2) / SID IIs (SBLD v4.0.2, v4.3.1)
IIHS	MDB	Yes	1st Row Left - SID IIs (SBLD 4.0.2, 4.3.1) 2nd Row Left – SID IIs (SBLD 4.0.2, 4.3.1)
JNCAP	MDB	Yes	1st Row Right – WSID50 5.0, 6.0, 7.1
LATIN NCAP	Pole	Yes	1st Row Left – ES2Re 6.0, 7.0, 8.0.2
LINCAP	MDB	Yes	1st Row Left – ES2RE (v6.0, 7.0, 8.0.2) 2nd Row Left – SID IIs (SBLD 4.0.2, 4.3.1)
USNCAP	MDB	Yes	1st Row Left - ES2RE (v6.0, 7.0, 8.0.2) 2nd Row Left - SID IIs (SBLD v4.0.2, v4.3.1)
USNCAP	Pole	Yes	1st Row Left – SID IIs (SBLD 4.0.2, 4.3.1)