

Revision 12 to the 880 Series SAR incorporates changes identified QSA Global's response to USNRC's RAI letter dated 5 April 2017. This revision also makes some minor typographical corrections in the SAR when necessary. SAR changes are listed under the SAR Section in Revision 12 where the change occurs.

Section Location	Summary Change	Change Reported Pursuant to 71.95	Impact of Change on Units Previously or Currently in Use under the Certificate	Action Taken By QSA Regarding Affected Units
Various	References to the jacket versions have been updated throughout to remove reference for use of the Version 3 jacket with the Model 880SC.	No	None. Change will not impact units in use until amendment to the certificate.	None. Not applicable.
Figure 1.3.G	Figure removed since the Model 880SC no longer requested for use with the Version 3 jacket.	No	None. Change will not impact units in use until amendment to the certificate.	None. Not applicable.
Table 1.2A & Table 7.1.A	Changed maximum package weight for the Model 880SC with the Version 2 or 3 jacket to "NA" as these jackets are not used on this model. Updated footnote to table to indicate that the Model 880SC uses only the Version 1 optional jacket.	No	None. Footnote added for clarity. The remaining changes will not impact units in use until amendment to the certificate.	None. Not applicable.
1.3.1 & 1.3.2	Drawings updated to R88000 Revision X and R880SC Revision E. (See separate drawing change table for details).	No	None. Change will not impact units in use until amendment to the certificate.	None. Not applicable.
2.1.4	Clarified that drawing references to specific codes or standards applies to components important to safety or package integrity.	No	None. Change is for clarity only and has no impact on the transport conformance of previously or currently used packages.	None. Not applicable.
2.2.2	Added detail regarding lithium batteries/cells as they relate to chemical, galvanic or other reactions during transport.	No	None. Additional information for clarity only.	None. Not applicable.
2.4.3	Replaced missing section identification from Revision 11 of SAR.	No	None. Administrative change only for accuracy.	None. Not applicable.

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2.6.1, Table 2.6.A, Table 3.1.A, 3.4.1.1 & 3.4.1.2 Appendix 3.6.1	Revised to include results of heat generation assessments for the Model 880 using the Version 3 jacket. (Appendix 3.6.1 added to include Technical Report 318 related to thermal analysis for the Model 880 using the Version 3 jacket.)	No	None. Change will not impact units in use until amendment to the certificate.	None. Not applicable.
Tables 2.6.A & 3.1.A	Corrected Fahrenheit temperature conversion of 65.4°C from 149.6°F to 149.7°F. This value is correctly converted in Section 3.4.1.1 but was listed incorrectly in the table references to this section.	No	None. Correction of typographical error in reference tables. Calculated results in Section 3.4.1.1 remain unchanged.	None. Not applicable.
2.6.2	Added details of lithium-ion battery performance at -40°C.	No	None. Additional information for clarity only.	None. Not applicable.
2.7.4	Added information related to performance of the lithium-ion batteries under fire test conditions.	No	None. Change will not impact units in use until amendment to the certificate.	None. Not applicable.
2.7.4.5(d)	Clarified that the transport conditions described as compliant in this section apply to any transport condition described on the drawings contained in Section 1.3.	No.	None. Additional information for clarity only.	None. Not applicable.
2.7.6	Added information related to performance of the lithium-ion battery under immersion test conditions.	No	None. Change will not impact units in use until amendment to the certificate.	None. Not applicable.
3.1.4, 3.4.3 & 3.5.3	Added clarification that all package components “important to safety” are vented to atmosphere. Also referenced the battery case used in the Version 3 jacket as not open to the atmosphere.	No.	None. Additional information for clarity only.	None. Not applicable.

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3.4.1.1 & 3.4.1.2	Added thermal contribution of the Version 3 jacket as a worst case condition for the thermal evaluation under 3.4.1.1(g). Updated calculations to account for added battery heat in thermal evaluations in these sections.	No.	None. Change will not impact units in use until amendment to the certificate.	None. Not applicable.
3.4.1.3	Updated section to reference evaluation contained in Section 2.6.2 for compliance to this criteria.	No	None. No impact on current or package configurations pending amendment at this time. Administrative change for simplicity.	None. Not applicable.
3.5.1 & 3.5.2	Added reference to the battery in the Version 3 jacket to the information presented in this section.	No.	None. Change will not impact units in use until amendment to the certificate.	None. Not applicable.