

		Informal document No. GRSP-43-31 (43rd GRSP, 19-23 May 2008 agenda item 12(a))		
	<b>RF MODE - MAKE AND MODEL</b>		<b>MODEL #</b>	<b>Date of Manufacture</b>
	0		0	1.0.00
	<b>Feature</b>			
<b>Value</b>	<b>Evaluation of Labels</b>	<b>Score</b>	<b>Weighted Score</b>	<b>Weighted Ave.</b>
2	Clear indication of child's size range.	1	2	2
2	Are all modes of use clearly indicated?	3	6	2
2	Are the correct harness slots for this mode indicated?	1	2	2
2	Seat belt & lower attachment routing path clarity.	3	6	2
2	Shows how to prepare & use lower attachments.	1	2	2
1	Durability of labels. (n/a if not youngest mode)	3	3	1
		<b>Total</b>	<b>21</b>	<b>11</b>
		<b>Weighted Ave</b>	<b>1.90</b>	
		<b>Star Rating</b>	<b>2</b>	
	<b>Evaluation of Instructions</b>			
2	Owner's manual easy to find?	3	6	2
1	Evaluate the access to the manual's storage system in this mode.	2	2	1
1	Clear indication of child's size range.	1	1	1
1	Are all modes of use clearly indicated?	3	3	1
1	Rear-facing airbag warning?	3	3	1
1	Instructions for routing seatbelt.	2	2	1
1	Shows how to prepare & use lower attachments.	3	3	1
2	Information in written instructions and on labels match?	3	6	2
		<b>Total</b>	<b>26</b>	<b>10</b>
		<b>Weighted Ave</b>	<b>2.60</b>	
		<b>Star Rating</b>	<b>5</b>	
	<b>Securing the Child</b>			
3	Is the seat assembled & ready to use?	3	9	3
3	Does harness clip require threading? Is it labelled?	2	6	3
2	Evaluate the harness buckle style.	3	6	2
3	Access to and use of harness adjustment system.	3	9	3
1	Number and adjustability of harness slots in shell and pad.	3	3	1
1	Visibility & alignment of harness slots.	3	3	1
3	Ease of adjusting the harness for child's growth.	1	3	3
3	Ease of conversion to RF from all other possible modes of use.	1	3	3
2	Ease of reassembly after cleaning.	1	2	2
2	Ease of adjusting/removing shield.	0	0	0
		<b>Total</b>	<b>44</b>	<b>21</b>
		<b>Weighted Ave</b>	<b>2.09</b>	
		<b>Star Rating</b>	<b>3</b>	
	<b>Vehicle Installation Features</b>			
3	Ease of routing vehicle belt or flexible lower attachments in this mode.	3	9	3
3	Can vehicle belt or lower attachments interfere with harness?	1	3	3
3	Ease of attaching/removing infant seat from base.	0	0	0
3	Ease of use of any belt positioning features.	2	6	3
	Evaluate seat's angle feedback device and recline capabilities.			
2	CRS only	1	2	2
2	Separate carrier and base	0	0	0
2	Do the lower attachments require twisting to remove?	2	4	2
2	Storage system for the lower attachments when not in use?	2	4	2
2	Handle placement instructions for the carrier?	0	0	0
		<b>Total</b>	<b>28</b>	<b>15</b>
		<b>Weighted Ave</b>	<b>1.86</b>	
		<b>Star Rating</b>	<b>2</b>	
		<b>Total</b>	<b>119</b>	<b>57</b>
		<b>Weighted Ave</b>	<b>2.09</b>	
	<b>Overall</b>	<b>Star Rating</b>	<b>3</b>	



**NHTSA Ease of Use Rating Form - 2008**  
**Infant Only Restraints, Convertible RF Mode, or 3-in-1 RF Mode**

Make & Model \_\_\_\_\_

Model # \_\_\_\_\_

**Evaluation of Labels**

	<b>A</b>	<b>B</b>	<b>C</b>	<b>Notes</b>
Clear indication of child's size range for this mode. Is there additional information on the CRS about how the child should fit in it?	Separate, clear, complete height and weight information directly next to the illustration. Additional size information included as a picture. <input type="checkbox"/>	Separate, clear, complete height and weight information directly next to the illustration. Additional size information included as short, simple text. <input type="checkbox"/>	Incomplete text as indicated, text independent of illustration, or no illustration, and/or no mention of additional sizing information. <input checked="" type="checkbox"/>	No picture of child in seat.
All methods of installing the seat in this mode are clearly indicated, including with lower anchors, lap belt only, and lap/shoulder belt, with and without the base as necessary.	Illustrated clearly with CR in vehicle seat. <b>No need</b> to read text although illustrations should be labeled for each method of installation. <input checked="" type="checkbox"/>		Method missing, partially illustrated, or no illustrations at all. CRS may be shown without any vehicle seat at all. <b>Must</b> read text. <input type="checkbox"/>	
Does the CRS indicate the correct harness slot height for this mode? Is there additional information on the CRS about how the shoulder straps should fit for this mode?	Yes, there is a graphic or contrasting text indicating the correct harness slots to use for this mode. Additional harness adjustment information is conveyed using a picture. <input type="checkbox"/>	Yes, there is text indicating the correct harness slots to use for this mode but they may be the same color as the shell. Additional harness adjustment information is included but may be text only. <input type="checkbox"/>	No indication of correct slots to use for this mode (for applicable multi-mode CRS) and/or no mention of additional sizing information. <input checked="" type="checkbox"/>	
Vehicle belt & flexible lower anchor path labeling and routing.	Illustrated clearly with no need to read text in order to route seatbelts. Contrasting label is directly next to the corresponding belt path on both sides of CRS. <input checked="" type="checkbox"/>	Belt routing path label is only contrasting on one side but would otherwise fulfill "A" criteria. <input type="checkbox"/>	Belt routing label not next to corresponding path. Belt routing path is only labeled on one side. Routing requires reading text or is otherwise not obvious from illustration. May also be obscured by seat pad. <input type="checkbox"/>	
Shows how to prepare and use lower attachments.	Clear illustrations show how to route and attach lower anchors to vehicle for using the CRS in this mode. One or two words per idea are OK for clarification. <input type="checkbox"/>	Illustrations plus written instructions provided. <b>Need</b> to read text to perform entire operation. <input type="checkbox"/>	Text-heavy instructions only provided or no instructions at all provided. Partial instructions; some steps missing. <input checked="" type="checkbox"/>	Does not remind user to tighten LATCH.
Durability of labels.	Sticky label(s) or other method of technology label not peeling. <input checked="" type="checkbox"/>		Sticky label(s) are already peeling when restraint removed from box. <input type="checkbox"/>	

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**Evaluation of Instructions**

	<b>A</b>	<b>B</b>	<b>C</b>	<b>Notes</b>
Is the owner's manual easy to find when the CRS is taken out of the box?	Attached to the child restraint in a clearly visible location. <input type="checkbox"/>		Attached to the child restraint in a hard-to-find location or not attached to the seat at all. <input type="checkbox"/>	
Evaluate the storage system for accessing the manual in this mode.	It is obvious and easy to use. The manual can be accessed when the CRS is installed in this mode of use. <input type="checkbox"/>	It is obvious and easy to use, but the manual cannot be accessed when the CRS is installed in this mode of use. <input checked="" type="checkbox"/>	The designated storage system isn't obvious or it is difficult to use regardless of mode of use. Can easily fall off carrier if removed. <input type="checkbox"/>	
Clear indication of child's size range. Is there additional information in the manual about how the child should fit?	Separate, clear, complete height and weight information directly next to the illustration. Additional size information included alongside a picture. <input type="checkbox"/>	Separate, clear, complete height and weight information directly next to the illustration. Additional size information included as short, simple text. <input type="checkbox"/>	Incomplete text as indicated, text independent of illustration, and/or no mention of additional sizing information. <input checked="" type="checkbox"/>	No additional information on how the child should fit in the seat.
All methods of installing the seat in this mode are clearly indicated, including with lower anchors, lap belt only, and lap/shoulder belt, with and without the base as necessary.	Illustrated clearly with CR in vehicle seat. No need to read text although illustrations should be labeled for each method of installation. <input checked="" type="checkbox"/>		Method missing, partially illustrated, or no illustrations at all. CRS may be shown without a vehicle seat. <input type="checkbox"/>	
Warning to avoid placing a rear-facing child restraint in front of an active airbag.	Separate from unrelated warnings and illustrated; has its own page or other very clear demarcation. Also remarks that the safest place for all children is in the rear. <input checked="" type="checkbox"/>	Illustrated but buried within other unrelated warnings, for example, in a bulleted list. Must still contain a warning that the safest place for children is in the rear AND specifically mention the dangers of RF CRS and airbags. <input type="checkbox"/>	Buried among other text, incomplete warning, or no warning at all. <input type="checkbox"/>	
Instructions for routing both lap belt and lap/shoulder belt for this mode, including details about different vehicle seatbelts and how this CRS should be installed with each of them.	Illustrated clearly. No need to read text in order to route seatbelt; should be obvious from diagrams. Manual includes complete instructions for determining vehicle seatbelt type. <input type="checkbox"/>	Illustrated clearly. No need to read text in order to route seatbelt; should be obvious from diagrams. Instructions for determining vehicle seatbelt type are present but may be incomplete. <input checked="" type="checkbox"/>	Unclear instructions that require reading text. No mention of how to use vehicle seatbelts correctly. <input type="checkbox"/>	
Shows how to prepare and use lower attachments.	Clear illustrations show how to route and attach lower anchors to vehicle for using the CRS in this mode. One or two words per idea are OK for clarification. <input checked="" type="checkbox"/>	Illustrations plus written instructions provided. <b>Need</b> to read text to perform entire operation. <input type="checkbox"/>	Text-heavy instructions only provided or no instructions at all provided. Partial instructions; some step missing. <input type="checkbox"/>	
For this mode, information in written instructions and on labels match.	Yes. <input checked="" type="checkbox"/>		No. Please describe the conflict under notes. <input type="checkbox"/>	

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**Securing the Child**

	A	B	C	Notes
All functional parts (i.e., required for correct use as per instructions) including seat pad or cover attached and ready to use, harness slots and crotch strap in their lowest settings.	Yes. <input checked="" type="checkbox"/>		No, not ready to use regardless of how difficult the assembly may be. May direct user to manual or is otherwise difficult. Tools may be required. Please describe under notes. <input type="checkbox"/>	
Does the harness clip require threading to secure properly? Is it labeled to indicate its proper positioning on the child?	No, and harness clip is labeled. <input type="checkbox"/>	No, but harness clip is not labeled. <input checked="" type="checkbox"/>	Yes. <input type="checkbox"/>	
Evaluate the ease of inserting the shoulder portions of the harness buckle for this seat.	Each upper portion of the shoulder harness may be inserted separately. <input checked="" type="checkbox"/>	"Puzzle" buckle with an intermediate method of holding the shoulder portions together. <input type="checkbox"/>	"Puzzle" buckle with no intermediate method of holding the shoulder portions together. <input type="checkbox"/>	
Access to & use of harness adjustment system.	Can access harness system when installed, one hand to tighten (one pull system). Possible 2 hands to loosen (i.e., one to depress button and one to loosen the harness). <input checked="" type="checkbox"/>		Does not meet "A" criteria. Please describe under notes. <input type="checkbox"/>	
Evaluate the number and adjustability of the harness slots in the shell and the pad.	The number of slots in the pad & shell match, and there are at least 3 OR the system is adjustable to at least 3 heights. <input checked="" type="checkbox"/>		Does not meet "A" criteria. Please describe under notes. <input type="checkbox"/>	
Visibility & alignment of harness slots for systems that must be re-threaded	Can see through all harness slots. All slots in pad are aligned with slots in shell. <input checked="" type="checkbox"/>	Cannot see through all harness slots because they are small or are misaligned with the shell. <input type="checkbox"/>	Cannot see all harness slots because there is something in way for this mode, e.g. an insert, a head hugger or body pillow. <input type="checkbox"/>	<input type="checkbox"/> n/a, system does not require re-thread
Ease of adjusting the harness for child's growth.	No need to rethread system. No mandatory pieces exist that may become loose when adjusting system. <input type="checkbox"/>	No need to rethread system, but may be otherwise difficult to adjust. <input type="checkbox"/>	Harness must be rethread to adjust. Loose mandatory pieces may be present. Could misroute or incorrectly resecure harness. <input checked="" type="checkbox"/>	
Ease of conversion to RF from all other possible modes of use.	Simple operation with only a single or dual action. Illustrations and instructions on seat showing mode change. <input type="checkbox"/>	Simple operation but multiple actions are required. Illustrations may be missing from the label, requiring the user to read the manual. <input type="checkbox"/>	Operation is difficult, requiring many complicated steps that must be followed in the manual. <input checked="" type="checkbox"/>	<input type="checkbox"/> n/a, single mode CRS
Ease of re-assembly if pad/cover removed for cleaning.	No loose parts. Easy to remove and reattach the padding. No rethreading required. <input type="checkbox"/>	Harness system may need to be rethreaded to re-assemble, but no loose parts exist. <input type="checkbox"/>	Loose parts may exist, including the harness system. Harness system may need to be rethreaded to re-assemble. May even need hand tool(s). <input checked="" type="checkbox"/>	
Ease of adjusting/removing shield.	Clear illustration on CRS, simple action, shield marked. <input type="checkbox"/>	Need to read text, simple action, shield not marked. <input type="checkbox"/>	Other tool(s) required. <input type="checkbox"/>	<input checked="" type="checkbox"/> n/a, no shield <input type="checkbox"/> n/a, shield not adjustable

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**Vehicle Installation Features**

		A	B	C	Notes
Ease of routing vehicle belt or LATCH lower attachment straps (if flexible) for installation in this mode, with and without base if separate.		A 95th percentile male hand can route the seatbelt easily and comfortably. The padding does not need to be moved in order to route the belt. <input checked="" type="checkbox"/>		The belt path does not accommodate a 95th percentile male hand, or has to be routed under the CRS padding for one or more modes of RF installation. <input type="checkbox"/>	
Can vehicle belt or lower LATCH straps (if flexible) interfere with harness (including crotch strap) or be routed incorrectly with respect to other seat elements such as padding?		No contact or interference possible. <input type="checkbox"/>		Possible contact or misrouting. Please describe this potential under <b>notes</b> . <input checked="" type="checkbox"/>	
Ease of attaching/removing infant seat from base.		Simple to attach, difficult to mistakenly secure carrier to base. One step release mechanism easy to reach. <input type="checkbox"/>		Difficult to attach carrier securely to base. Easy to mistakenly secure carrier to base. Release mechanism may be difficult to reach. Carrier has the potential to appear correctly installed when it is not. <input type="checkbox"/>	<input checked="" type="checkbox"/> n/a, no separate base
Ease of use of any RF belt positioning feature on CRS such as a lock-off.		Simple to use with instruction on CRS. <input type="checkbox"/>	Simple to use but must refer to manual. <input checked="" type="checkbox"/>	Multiple steps, confusing to use even with manual. <input type="checkbox"/>	<input type="checkbox"/> n/a, no belt positioning feature
Evaluate the seat's angle feedback device and the recline capabilities of the base (if separate).	<b>Convertible, 3-in-1</b>	Obvious, separate recline device. Adjustable to at least three levels of recline for this mode. <input type="checkbox"/>	Indication on a label or text in the same color as the CRS shell used as the recline device. Adjustable to at least three levels of recline for this mode. <input type="checkbox"/>	No feedback device on CRS, or does not have three levels of recline for this mode. <input checked="" type="checkbox"/>	Less than three levels of recline. <input type="checkbox"/> n/a, has separate base
	<b>Carrier with separate base</b>	Obvious, separate recline device (may only be on the carrier since it is more critical). Base is adjustable so that it allows for at least three levels of recline for this mode. <input type="checkbox"/>	Base is adjustable so that it allows for at least three levels of recline for this mode. However, does not meet "A" criteria for separate recline device. <input type="checkbox"/>	Base does not have three levels of recline for this mode. <input type="checkbox"/>	<input checked="" type="checkbox"/> n/a, no separate base
Do the lower anchors require twisting to remove from the vehicle?		No, system fully retracts from vehicle anchors with release mechanism. <input type="checkbox"/>	No twisting required but secondary action required to remove lower anchor from seat bight. <input checked="" type="checkbox"/>	Yes, user must twist lower anchors to remove from vehicle. <input type="checkbox"/>	<input type="checkbox"/> n/a, no lower anchors
Evaluate the storage system for the lower anchors when not in use.		Simple, obvious, dedicated, labeled storage system. Or, lower anchors that completely retract when not in use. <input type="checkbox"/>	Storage system exists but may easily overlooked. <input checked="" type="checkbox"/>	No separate storage system exists, or user is directed to hook lower anchors together when not in use. <input type="checkbox"/>	<input type="checkbox"/> n/a, no lower anchors
Is there an indication on the carrier itself indicating where to put the handle when installed in vehicle?		Yes. <input type="checkbox"/>		No. <input type="checkbox"/>	<input checked="" type="checkbox"/> n/a, no separate carrier