

Item	Participant 1	Participant 2	Participant 3	Participant 4	Participant 5	Participant 6
A-1	KRISO3	Brave	Leaf	Sky	Rock	River
A-2	42	31	27	46	30	42
A-3	male	male	male	male	male	male
A-4	d	d	d	d	d	d
A-5	c	c	c	c	c	c
A-6	Computer Science, maritime traffic	ergonomics	e-Navigation	E-navigation	maritime stanards, product specification like IHO, IALA	research of maritime traffic safety
A-7	15 years	1 year	2 years	2 years	4 years	18 years
A-8	d	d	c	c	d	d
A-9	c	a	b	b	c	c
A-10	b	c	c	b	b	b
A-10.1		Because of the use of uncommon symbols, it was difficult to find the functions.	interface difference, function			
A-11	c	a	b	c	b	c
A-12	b	b	b	b	c	a
A-12.1		Use of uncommon symbols		Zoom in/out and differences from map legend	The lines are getting thicker, which is very confusing.	
B-13	c	f	d	d	d	d
B-13.1	There are some good features but some are not.		Easy to use			
B-14	c	c	d	d	d	d
B-14.1	There are some convenient parts but some are not.			It is easy to use, but it's also limited because you can't specify the color I want.		
B-15	d	d	d	d	d	d
B-15.1	Mapping for the visualization of attribute values should be done in advance.	Display the vessel trajectories to recognize them easily.		It is nice that symbols can be expressed in various levels of brightness or thickness of color.		
B-16	d	d	d	b	b	b
B-16.1	It is good to be able to check additional information with the vessel trajectory.			It is not intuitive because the display of brightness or thickness is not clear.	It is hard to check vessel specification, speed and additional information.	Need to display a vessel's information such as ship specification, types, etc.
B-17	d	b	b	f	b	d
B-17.1	it is easy to catch information because it is displayed on a familiar electronic chart for me.	When the number of vessels increases, it is not easy to identify the vessel symbols.	Since information becomes congested when the number of vessels increases, the user interface needs to be improved.	It is not easy to recognize information that user wants. Although traffic volume and degree of congestion can be analized, it can be difficult to identify the situation of individual vessels.	It seems that v-remo and traffic are not related.	
B-18	d	f	d	d	d	d
B-18.1	Overall intuitive. But, I'm not sure about data processing(pre-processing) and I probably don't need to know.		Optios are easy to understand. And simple demonstration is usefule to understand overall.			
B-19	e	f	c	c	e	d
B-19.1	The vessel trajectory and additional information can be checked at once.		It is difficult to find information.		The user interface for buttons are simple and intuitive.	
B-20	d	f	d	c	d	d
B-20.1	Overall intuitive. But, it would be better if the type and specification of the selected ship can be confirmed.		It is easy to recognize the search results.			
B-21	b	f	c	b	c	b
B-21.1	Nothing wrong.		It should be more clearly marked on the basemap to distinguish the size of circle and vessel's speed.		It is suitable.	
B-22	e	f	d	b	e	d
B-22.1	The color was familiar.			Compared to other software, the pastel tone colors are awkward.		
B-23	The idea is good. But it is difficult to recognize the shape, size and color changes.	When COG is expressed as the size of circle, its meaning can be misunderstood.	It would be better if the difference between the size and brightness of the circle were more clearly visualized.	Depending on the screen magnification and brightness, it is difficult to distinguish symbols of ships.		It is difficult to recognize whether the ship is entering to or leaving from harbour. Display different symbols by types and size of ships. Need functions that can select a shape of symbol and line types, and search trajectories by ship's name or call sign.
C-24	d	d	d	e	c	d
C-24.1	The vessel trajectory and additional information can be checked at once.	It is nice to display the vessel trajectories over time.				
C-25	Need a function to set the color palettes, and make menu items as a group by category.	None	It would be better if options or intervals for the time axis could be set. (for example, to be able to search for trajectories from the halfway point to the middle 2/3 point in terms of time range)	It should be improved by reflecting user's requirements, such as grouping multiple menus.	The symbol of trajectory is not stylish and there are no borders for windows. Information of the selected vessel should be displayed in the MMSI list.	It needs a function for replaying the trajectoty.
C-26	It is better to be displayed evenly by interpolating the original data and be able to set the start time.	None	no need for additional functions.		To save a GIF file for simulation of vessel trajectories.	