



***Data Definitions
Working Group***

Tables of Field Definitions

July 2023

Date of event	
Time of event	
Demographics	Age or Age Group
	Sex or Gender
	Ethnicity
	Home location
	Residence status
	Disability
	Health (as factor)
Environment	Environment description
	Location of event
	Exact Coordinates
Activity	Activity description
	Vessel Type
	Vessel Length
Commercial designation?	
Other common causal factors	Lifejacket usage
	Weather conditions
	Communications usage
	Alcohol use
	Drug use
	Qualifications / Experience / Competence
Description or summary of event (for other causal	
Recovery detail (after event)	
Operation Cost	
Quality / Reliability of data	
Bystander involvement	
Sporting / Event / Competition	

Field	Best Practice Recommendation	Minimum Common Standard
Demographics		
Ethnicity	Organisations collect as detailed ethnic field as possible – such as an open text box which can be aggregated when necessary. A field to collect iwi affiliation for Māori entries should also be made available.	Organisations collect the Level 1 of Stats NZ aggregation levels of ethnicity. I.e. <i>European, Māori, Pacific Peoples, Asian, MELAA, Other</i>
	<i>Investigations and Research</i>	<i>Response</i>
Age	Organisations collect birthdate which can be used to create different age bands as required.	Organisations collect 10-year age bands from 5+ until 75+.
	<i>Investigations</i>	<i>Response and Research</i>
Gender	Organisations collect gender information per Stats NZ guidelines.	Organisations collect gender information as female / male /other. The opportunity for more than binary gender should always be given.
	<i>Investigations and Research</i>	<i>Response</i>
Home Location	Organisations collect the address of a person involved in an event, with an address validation component.	Organisations collect the Territorial Local Authority (TLA) of a person which can be grouped into Regions (the Auckland equivalent being the local Wards).
	<i>Response and Investigations</i>	<i>Research</i>
Resident Status	Organisations collect the length of time a person has been in New Zealand.	Organisations collect whether a person is currently living in New Zealand or visiting.
	<i>Investigations</i>	<i>Response and Research</i>
Disability	Organisations collect disability per Stats NZ Impairment options.	Organisations collect whether the person involved had a disability that had a severe limiting factor on their activity – Yes/No
	<i>Investigations and Research</i>	<i>Response</i>
Health	Organisations collect medical/health factors if they contributed to the event AND/OR resulted from the event occurring, using a drop down selection list. It should be able to make clear if the medical/health factor contributed to or was a result of the event.	Organisations collect if there was a medical/health factor contributing to an event – Yes/No
	<i>Response and Investigations</i>	<i>Research</i>
Craft, Environment and Activity		
Exact Coordinates / Location	Organisations collect the exact coordinates of the location in GPS coordinates.	Organisations describe the location in relation to known places or landmarks. Include TLA or local Ward which can be grouped into Regions.
	<i>Response and Investigations</i>	<i>Research</i>
Environment Type	Organisations use environment definitions per tables developed based on DrownBase and MNZ definitions (see Section 6 for full definition details).	Organisations use the environments already defined in the NZSAR Data Standard table Gen_1.
	<i>Investigations and Research</i>	<i>Response</i>
Type of Craft	Organisations use craft definitions per tables developed based on DrownBase and MNZ definitions (see Section 6 for full definition details).	Organisations use the craft type already defined in the NZSAR Data Standard tables Ves_3 and Ves_4.
	<i>Response, Investigations and Research</i>	
Size of Craft	Organisations collect the exact length of the craft involved in the event in metres.	Organisations collect whether the craft was over or under 6m, in order to compare with lifejacket legislation and bylaws.
	<i>Investigations</i>	<i>Response and Research</i>

Field	Best Practice Recommendation	Minimum Common Standard
Activity at Time of Event	Organisations use activity definitions per table developed based on DrownBase definitions (see Section 6 for full definition details).	Organisations use the activities already defined in the NZSAR Data Standard table Ops_4
	<i>Response, Investigations and Research</i>	
Factors		
Weather	Organisations collect date/time (in 24hr format) and GPS coordinates of so that MetService or other weather services can be sought for weather conditions at time.	Organisations collect an indication of the weather using the Sea State (Beaufort scale) and Wind Speed (Beaufort Scale) (see section 6 for full definition details).
	<i>Investigations</i>	<i>Response and Research</i>
Lifjacket usage	Organisations collect lifjacket information per SARdonyx table Vessel Data Ves_6 and Ves_7 (lifjackets on board / worn) and add more detailed information around type and fit.	Organisations collect lifjacket information per SARdonyx table Vessel Data Ves_6 and Ves_7 (lifjackets on board / worn).
	<i>Investigations and Research</i>	<i>Response</i>
Communications usage	Organisations collect information on communication methods available per SARdonyx table Ves_5: (comms on board) and further detail on what type and type of person who called for help.	Organisations collect information on communication methods available per SARdonyx table Ves_5: (comms on board).
	<i>Investigations and Research</i>	<i>Response</i>
Alcohol Use	Organisations collect the blood alcohol level of a person.	Organisations collect data on whether alcohol is suspected per SARdonyx table Ops_5: Was the use of alcohol or any other drug suspected to be a contributing factor to SAR event?
	<i>Investigations</i>	<i>Response and Research</i>
Drug Use	Organisations collect what drug/s and how much was taken.	Organisations collect data on whether drug use is suspected per SARdonyx table Ops_5: Was the use of alcohol or any other drug suspected to be a contributing factor to SAR event?
	<i>Investigations</i>	<i>Response and Research</i>
Qualifications / Experience / Competence	Organisations have the ability to ask for details on a variety of options of experience/ competence.	Organisations collect information on the experience etc of the skipper per SARdonyx tables Ves_11 and Sub_10.
	<i>Investigations and Research</i>	<i>Response</i>
Other Category Recommendations		
Commercial Designation	Organisations regularly schedule a reconciliation with Maritime NZ to check that all appropriate "commercial" designated events are being captured.	Organisations have a designation for events that involve a commercial craft per Maritime NZ's definition. Commercial craft are those that have had payment exchanged for use of the craft.
	<i>Investigations and Research</i>	<i>Response</i>
Description / Summary	Debrief from those who participated in the response to the event by giving an interview with a data entry person	Organisations use a brief synopsis field to capture the "what happened" and "why" behind the event. This includes information that is not collected in other fields in the organisation's system but could be useful for analysis.
	<i>Investigations</i>	<i>Response and Research</i>
Recovery Detail (Follow Up)	Organisations follow up after an event to make sure all fields are fully entered to present the full picture of the event.	Organisations note if data for an event has been received with further follow up information.
	<i>Investigations and Research</i>	<i>Response</i>
Operation Cost	Organisations are able to split out the cost of each event operation	Organisations collect a total sum of each event operation cost.
	<i>Investigations and Research</i>	<i>Response</i>

Field	Best Practice Recommendation	Minimum Common Standard
Quality of Data	A confidence calculation is developed for each event based on multiple factors e.g. data input, approval process, methodology, completeness etc	Organisations note where the data originates from (self reported, first responder, third party) so that users of the data can assess the quality of the data.
	<i>Investigations and Research</i>	<i>Response</i>
Bystander Involvement / Rescue	Organisations should collect who the first responder rescuer was from set fields	Organisations should collect if there was an attempted rescue – Yes/No
	<i>Investigations and Research</i>	<i>Response</i>
Sporting / Event / Competition	Organisations should collect if this occurred as part of a competition / organised event and details of the competition/event.	Organisations should collect if this occurred as part of a competition / organised event – Yes/No
	<i>Investigations and Research</i>	<i>Response</i>