**NZSAR Data Standard**



**Master Version: used for Project SARdonyx**

**Version 4-2**

**03 December 2018**

Table of Contents

[1 Introduction 4](#_Toc514319781)

[1.1 Data Standards 4](#_Toc514319782)

[1.2 Version Control 5](#_Toc514319783)

[2 NZSAR Council Information Objectives 6](#_Toc514319784)

[2.1 Strategic Risk 6](#_Toc514319785)

[2.2 Risk Treatment 6](#_Toc514319786)

[3 Principles 8](#_Toc514319787)

[3.1 New Zealand Data and Information Management Principles 8](#_Toc514319788)

[3.2 Governance of the NZSAR Data Standard 11](#_Toc514319789)

[3.3 Use of the NZSAR Data Standard 11](#_Toc514319790)

[3.4 Duplicate Records 12](#_Toc514319791)

[3.5 Scope 12](#_Toc514319792)

[3.6 Mass Rescue Operations 12](#_Toc514319793)

[4 NZSAR Data Standard 13](#_Toc514319794)

[4.1 Layout 13](#_Toc514319795)

[4.2 Categories of Data 13](#_Toc514319796)

[4.2.1 General Data 13](#_Toc514319797)

[4.2.2 Resources Data 13](#_Toc514319798)

[4.2.3 Operation Data 14](#_Toc514319799)

[4.2.4 Aircraft & Vessel Data 14](#_Toc514319800)

[4.2.5 Outcome Data 14](#_Toc514319801)

[4.2.6 Subject & Medical Data 15](#_Toc514319802)

[4.3 Metadata 15](#_Toc514319803)

[4.4 Data Types 15](#_Toc514319804)

[5 Data Dictionary 17](#_Toc514319805)

[5.1 General data (Gen) 18](#_Toc514319806)

[5.2 Resources data 21](#_Toc514319807)

[5.2.1 Human Resources data (HR) 21](#_Toc514319808)

[5.2.2 Asset Resources data (Ast) 22](#_Toc514319809)

[5.2.3 SLA Partner Data (SLA) 23](#_Toc514319810)

[5.3 Operation data (Ops) 24](#_Toc514319811)

[5.4 Aircraft & Vessel data 31](#_Toc514319812)

[5.4.1 Aircraft data (Air) 31](#_Toc514319813)

[5.4.2 Vessel data (Ves) 31](#_Toc514319814)

[5.5 Outcome data (Out) 34](#_Toc514319815)

[5.6 Subject & Medical data (Sub) 36](#_Toc514319816)

[6 Codesets 38](#_Toc514319817)

[6.1 General data (Gen) 38](#_Toc514319818)

[6.2 Resources data (HR, Ast, SLA) 53](#_Toc514319819)

[6.3 Operation data (Ops) 70](#_Toc514319820)

[6.4 Aircraft & Vessel data (Air, Ves) 78](#_Toc514319821)

[6.5 Outcome data (Out) 82](#_Toc514319822)

[6.6 Subject & Medical data (Sub) 83](#_Toc514319823)

# Introduction

The purpose of this document (the NZSAR Data Standard) is to define a set of data standards for New Zealand Search and Rescue (NZSAR) stakeholders.

## Data Standards

Data standards consist of prescriptions and guidelines that regulate the entry and maintenance of data. They are documented agreements that standardise both the format and meaning of data. Representation, format, definition, use, and management of data are all included in a data standard.

The benefits of data standards include:

* Improved efficiency by making it easier to capture data.
* Improved efficiency by making it easier to share data.
* Reduced misunderstanding about the meaning of data.
* Lower long term costs of storing, managing, sharing, and publishing data.
* They demonstrate professionalism and commitment to quality.
* There is less effort required to perform statistical analysis.
* Data can be quickly aggregated across agencies.
* Data can be more easily compared across jurisdictions.
* It is easier to perform longitudinal analysis which supports trend identification.
* It is easier to improve business processes because performance can be compared.

## Version Control

Version 1.0 – reviewed by Police, RCCNZ, NZSAR management on 14 Jan 2016

Version 1.1 – SAR Coordinators workshop on 7&8 March 2016

Version 2.0 – post the SAR Coordinators workshop

Version 2.1 – Data Dictionary distributed for consultation

Version 2.2 – Updated Data Dictionary

Version 2.3 – NZSAR update 11 April 2017

Version 2.4 – Circulated at initiation of SARdonyx project

Version 2.5 – Updated following meeting at Royal Society 8 August 2017

Version 2.6 – Updated following feedback on version 2.5

Version 2.7 – Updated following workshop at Brentwood Hotel 17 August 2017

Version 2.8 – Consolidation of data dictionary and data rules into one table.

Version 2.9 – Updated by NZSAR after review of version 2.8, and provided to Project SARdonyx solution provider

Version 3.0 – Updated at end of planning stage of Project SARdonyx

Version 3.1 – Updated by solution provider

Version 3.2 – Updated after SAR Coordinators workshop and wireframes 2.3

Version 3.3 – Minor updates after review by Hague

Version 3.4 – Minor updates after NZSAR & Hague review meeting (30 April 2018)

Version 3.5 – Updated resources section and codesets with Beca

Version 4.0 – Version at end of the design stage

Version 4.1 – Updated for typos and missing codeset (HR\_2)

Version 4.1.1 – Updated error in definition of ‘Lives saved’ and ‘Lives assisted’ (page 34)

Version 4.2 – Updated with change request approved by SARdonyx Governance Group 12 Nov 2018

Current Date: 18 June 2020

# NZSAR Council Information Objectives

The NZSAR Council has an information pathway – a long term strategy for improving the quality and usefulness of information about search and rescue operations, SAR prevention, and risk mitigation. The preparation of an “all of New Zealand Search and Rescue data standard” is an important step on that pathway.

## Strategic Risk

The NZSAR Council has identified a strategic risk regarding the quality and reliability of existing data about SAR incidents within the NZSRR.

**Risk Description**

Search and rescue information is inadequate or unreliable for future planning.

**Risk Cause**

SAR data collection is fragmented, lacks cohesion and is typically collected to meet the requirements of individual organisations. Properly analysed longitudinal information is difficult for decision makers to access. Data gaps and omissions render sound analysis difficult. In some instances, excessive detail is being collected.

**Risk Consequences**

Without reliable information, NZSAR will be unable to identify strategic changes and opportunities for the SAR community.

Effective decision making is compromised by the lack of reliable, analysed data. Information can also be hard to access as it can reside within silos.

*Excerpt from the NZSAR Council Risk Matrix (as at 13 November 2015)*

## Risk Treatment

The NZSAR Council has identified the creation of a single national search and rescue data standard as one of the treatments to mitigate the identified risk. The Council gave direction that the data standard will:

* 1. Provide a clear articulation of the required data, the data format, its required purpose, and the intended users of that data.
  2. Support and enable data and information sharing between NZ SAR agencies, with overseas SAR partners, and other selected partners in NZ.
  3. Be constructed with reference to standard industry formats.
  4. Support other IT professional in the design of databases and data entry systems to support the agreed standard.
  5. Document the SAR data standard governance and operating mechanisms/ responsibilities

This document sets out the proposed data standard and includes:

* The objectives and context of the standard
* Details of the governance for the standard and the current version
* A data dictionary containing standard names of data elements providing:
  + An informative name
  + A description and definition
  + The ability to assign unique, consistent names
  + The ability to identify the natural relationships of data
  + The ability to identify all of the uses of a data element
* Rules for transmitting data so that it can be interpreted correctly when received

# Principles

## New Zealand Data and Information Management Principles

The *New Zealand Data and Information Management Principles* were approved by Cabinet in   
August 2011[[1]](#footnote-1). The table below sets out how these principles will be applied to the development of the New Zealand SAR data standard.

| ****Principle**** | ****Description**** | ****Proposed NZSAR data standard principles**** |
| --- | --- | --- |
| ****Open**** | Data and information held by government should be open for public access unless grounds for refusal or limitations exist under the Official Information Act or other government policy. In such cases they should be protected. | Information on NZSAR operations shall be collected, aggregated and analysed with the expectation of publication of all non-identifiable data. |
| ****Protected**** | Personal, confidential and classified data and information are protected. | Personally identifiable information shall be protected from general publication and subject to controlled release only. |
| ****Readily Available**** | Open data and information are released proactively and without discrimination. They are discoverable and accessible and released online. | NZSAR data and information shall be published regularly online in forms that are clear, unambiguous and useful. |
| ****Trusted and Authoritative**** | Data and information support the purposes for which they were collected and are accurate, relevant, timely, consistent and without bias in that context. Where possible there is an identified authoritative single source. | Data and information support the purposes for which they were collected.  Data shall only be collected if it can be reasonably validated at source.  Data shall be relevant to context.  Data collection shall be based on facts not assumptions.  Data collection and submission shall be timely to support accuracy, actions by others, policy and planning.  The source of all data shall be noted. |
| ****Well Managed**** | Data and information held and owned by government:   * effectively belong to the New Zealand public * are a core strategic asset held by government as a steward on behalf of the public; and * Should only be collected or generated for specified public policy, operational business, or legislative purposes.   Agencies are stewards of government-held data and information and must provide and require good practices which manage the data and information over their life-cycle, including catering for technological obsolescence and long-term preservation and access. Good practices also include collaborating with other agencies and the public, facilitating access, strengthening awareness, and supporting international cooperation.  Agency custodians must implement these practices on a day-to-day basis. | NZSAR secretariat shall be the steward of nationally aggregated NZSAR data and NZSAR data standards.  Police, RCC, Coastguard and LandSAR shall be the stewards of the NZSAR data they collect and shall collect, store and maintain that data in accordance with the NZSAR data standard.  Data and information held and owned by government:   * effectively belong to the New Zealand public * are a core strategic asset held by government as a steward on behalf of the public; and * Should only be collected or generated for specified public policy, operational business, or legislative purposes.   Agencies are stewards of government-held data and information and must provide and require good practices which manage the data and information over their life-cycle, including catering for technological obsolescence and long-term preservation and access. Good practices also include collaborating with other agencies and the public, facilitating access, strengthening awareness, and supporting international cooperation.  Agency custodians must implement these practices on a day-to-day basis. |
| ****Reasonably Priced**** | Use and re-use of government held data and information is expected to be free. Charging for access is discouraged.  Pricing to cover the costs of dissemination is only appropriate where it can be clearly demonstrated that this pricing will not act as a barrier to the use or re-use of the data. If a charge is applied for access to data, it should be transparent, consistent, and reasonable and the same cost to all requestors. | NZSAR data shall generally be made available free of charge.  Charging for access to data shall only be appropriate for requests that are of a specialised nature and require extensive effort or cost in order to respond. |
| ****Reusable**** | Data and information released can be discovered, shared, used and re-used over time and through technology change. Copyright works are licensed for re-use and open access to and re-use of non-copyright materials is enabled, in accordance with the New Zealand Government Open Access and Licensing framework.  Data and information are released:   * at source, with the highest possible level of granularity * in re-usable, machine-readable format * with appropriate metadata; and * In aggregate or modified forms if they cannot be released in their original state.   Data and information released in proprietary formats are also released in open, non-proprietary formats.  Digital rights technologies are not imposed on materials made available for re-use. | Data and information released can be discovered, shared, used and re-used over time and through technology change. Copyright works are licensed for re-use and open access to and re-use of non-copyright materials is enabled, in accordance with the New Zealand Government Open Access and Licensing framework.  Data and information are released:   * at source, with the highest possible level of granularity * in re-usable, machine-readable format * with appropriate metadata; and * In aggregate or modified forms if they cannot be released in their original state.   Data and information released in proprietary formats are also released in open, non-proprietary formats.  Digital rights technologies are not imposed on materials made available for re-use. |

## Governance of the NZSAR Data Standard

The NZSAR Council shall be the authorising body for the NZSAR data standard, and administration of the standard shall be managed by the NZSAR Secretariat. The application of the standard shall be the responsibility of all New Zealand search and rescue agencies.

Data governance encompasses the people, corporate processes and procedures that ensure data value, data quality improvement, development and maintenance of single shared definitions for all data, and availability of the right data at the right time to the right people in the right format.[[2]](#footnote-2)

There is currently no New Zealand standard for the governance of data, but Standards NZ is currently engaged in developing one. The following principles are contained in the current draft standard for the Collection aspect of data governance:

|  |  |  |
| --- | --- | --- |
| Value | Risk | Limitations |
| Governing bodies should ensure that the data collected can be used for current and future purposes.  How the data collection is performed may dictate its current use, context, and quality.  The quality of the data collected should be sufficient and appropriate for further use and reuse of the data to meet new requirements for analysis as they arise.  If future use of the data is required for general analysis, anonymisation and pseudonymisation techniques should be used to remove PII. | Governing bodies should ensure their organisation has the right to use the data that is collected and that they trust the source of that data.  They should also ensure that the data being collected is fit for purpose.  Data should be only be collected in compliance with local rules and regulations and with the relevant consent of data owners. | Governing bodies should ensure they understand the inherent limitations of the data that is being collected – and direct policies accordingly.  Where personal consent is associated with the data, it should remain associated so that future use can be appropriately directed. |

## Use of the NZSAR Data Standard

This Data Standard sets out how data will be captured and stored across the search and rescue sector in New Zealand. This is not the data dictionary for a database nor is it the specification for a form. It is expected however that search and rescue forms and databases that are developed or changed subsequent to the publication of this standard will comply with this standard.

* All employees and volunteers of New Zealand search and rescue agencies will be made familiar with the data elements within this standard that apply to their work.
* Before creating a new record for an entity, conduct a search to ensure that the entity in question does not already exist in the systems database. If the entity does exist, do not create a new record because this will create a duplicate record for the same entity.
* Enter and modify data only when authorised to do so.
* Forms and databases that use this standard should, wherever, practical, incorporate field validation and logical validation to support data quality. A summary of general data rules is provided in table 1 (below).

|  |  |
| --- | --- |
| Data Element Type | Rule |
| Case | All data will be entered using mixed case (standard combination of upper and lower-case letters) |
| Symbols\Special Characters | Symbols such as the hash sign (#), the percent sign (%), an asterisk (\*), etc. shall not be used. |
| Space | Maintain spaces where there are spaces in a name. Do not use the Enter/Return key within a text field. |
| Adding New Records | Only add a new record following a search for existing records. This will minimise duplicate information. |
| Name Standards | Do not attempt to abbreviate names. Do not use titles, prefixes or suffixes in any of the name elements. |
| Number Standards | Numbers shall be input as per specified formats |

Table 1 General Data Rules

## Duplicate Records

If duplicate records are created for a SAR incident, the information contained in the record created by the final Coordinating Authority shall take precedence.

## Scope

The NZSAR Data Standard defines data elements for capturing and sharing data about SAR incidents, and does not replace terminology and definitions that are used as part of SAR operations.

**For example:** During land operations, location information is often provided as Eastings and Northings. When the information from the operation is captured and stored, the NZSAR Data Standard defines the use of decimal degree latitudes and longitudes.

## Mass Rescue Operations

Information captured from Mass Rescue Operations (MRO) have the potential to significantly alter the analysis of stored data using the NZSAR Data Standard. Decisions will need to be made on a case-by-case basis about the capture of data in the unlikely event of an MRO.

# NZSAR Data Standard

There are 135 data elements in the NZSAR Data Standard. Each data element has been given a unique identifier to assist in the control of the NZSAR Data Standard in the future.

## Layout

To make the standard usable by SAR sector personnel and IT professionals, it has been divided into two sections.

**Data Elements: Data Dictionary**

This section defines the data elements, and provides information to guide their use.

**Data Elements: Codesets**

This section provides the list of options (choices) for data elements if required.

## Categories of Data

The data elements themselves have been grouped into six categories.

### General Data

This category of data contains high-level, low detailed, information about SAR incidents. Data in this category shall be collected for each SAR alert the Coordinating Authorities receive.

Data elements in this category have a unique identifier with the prefix Gen\_##

### Resources Data

This category of data captures all the resources used to resolve the incident. It is divided into three subsections.

#### Organisation Resource Data

This category of data contains information about the organisations that were used by the Coordinating Authorities in responding to a SAR incident.

Data elements in this category have a unique identifier with the prefix Org\_##

An Incident can have multiple Organisation Resource Data elements

#### Human Resources Data

This category of data contains information about the resources that were used by the Coordinating Authorities in responding to a SAR incident.

Data elements in this category have a unique identifier with the prefix HR\_##

An Incident can have multiple Human Resources Data elements

#### Asset Resources Data

This category of data contains information about the assets that were used by the Coordinating Authorities in responding to a SAR incident.

Data elements in this category have a unique identifier with the prefix Ast\_##

An Incident can have multiple Asset Resource Data elements

### Operation Data

This category of data contains information when SAR activity is undertaken by the Coordinating Authorities in response to SAR alerts. This activity can range from investigation (but not including investigations conducted by communications means only) through to a full scale SAROP.

Data elements in this category have a unique identifier with the prefix Ops\_##

### Aircraft & Vessel Data

This category of data contains information about any aircraft or vessel involved in a SAR incident. It is divided into two subsections.

#### Aircraft Data

This category of data contains information about any aircraft or vessel involved in a SAR incident or alert.

Data elements in this category have a unique identifier with the prefix Air\_##

An Incident can have multiple Aircraft Data elements

#### Vessel Data

This category of data contains information about any aircraft or vessel involved in a SAR incident or alert.

Data elements in this category have a unique identifier with the prefix Ves\_##

An Incident can have multiple Vessel Data elements

### Outcome Data

This category of data contains information about the result of the SAR incident when people have been identified as being at risk.

Data elements in this category have a unique identifier with the prefix Out\_##

### Subject & Medical Data

This category of data contains demographic and medical information about any person(s) involved in the SAR incident. Data in this category shall only be captured for those people who were identified as being at risk during the SAR incident.

Data elements in this category have a unique identifier with the prefix Sub\_##

An Incident can have multiple Subject Data elements

## Metadata

The Metadata for the four data sections is provided in table 2 (below).

|  |  |
| --- | --- |
| Meta Data | Value |
| Data # | The unique identifier for each data element. |
| Data Element | The name for each data element.  This is the nomenclature that must be used for the data elements as new SAR data forms are prepared for the NZSAR sector. |
| Description/Definition | A simple and unambiguous definition of the data element. |
| ISRID[[3]](#footnote-3) | Maps the data element to the equivalent data element in the ISRID database, as applicable. |
| Data Type | The type of data that is to be stored, as defined in section 4.4 of the NZSAR Data Standard. |
| Codeset | Identifies if the data element has a codeset associated with it. The full codesets are contained in section 7 of the NZSAR Data Standard. |
| Notes/Rules | Any notes or rules about the use or capture of the data element. |

Table 2 Metadata for the NZSAR Data Standard

## Data Types

The type of data that is to be stored. Data Types used in this document are:

**Alphabetic (n):** Contains alphabetic characters only. The n denotes the maximum number of characters that can be stored.

**Alphanumeric (n):** Contains both alphabetic and numeric characters. The n denotes the maximum number of characters that can be stored.

**Boolean:** Unless otherwise specified, Boolean codesets are either ‘Yes’ or ‘No’   
*Data elements of the Boolean type must be recorded and shared using the codeset associated with the data element.*

**Date:** A date / time field. All dates should be represented as **YYYYMMDD hh:mm:ss.s** where:

* **YYYY** = four-digit year
* **MM** = two-digit month (01=January, etc.)
* **DD** = two-digit day of month (01 through 31)
* **hh** = two digits of hour (00 through 23) (am/pm NOT allowed)
* **mm** = two digits of minute (00 through 59)
* **ss** = two digits of second (00 through 59)
* **s** = one or more digits representing a decimal fraction of a second

**Free Text:** Contains alphabetic and numeric characters. There is no limit to the amount of text that can be entered in this field (although there may be a database limit). All free text entries should be subject to a spell check using New Zealand English (or UK English if NZ English not available). Once saved, free text can be appended to but should not be able to be modified or deleted.

**Numeric (n):** Contains numeric characters only. The n denotes the maximum number of characters than can be stored.

# Data Dictionary

This section provides a dictionary of the data elements that are included in the Data Standard, and is formatted as follows:

Data #:

This column provides an identifier for each data element.

Data Element:

This column lists the data elements for each of the six data categories. The data elements are listed alphabetically.

Description / Definition:

This column provides a description/definition for each of the data elements.

Data Type

This column describes the type of data to be captured e.g. Alphabetic, Boolean, Numeric, Free Text, as defined in section 4.4

Codeset?

Does this data element have a codeset of pre-determined values which will be used to populate it?

Notes/Rules

Any explanatory notes or business rules to be applied to this data element.

ISRID column:

This column will be used to map the data elements in the Data Dictionary to the equivalent data elements in the ISRID database (if applicable) – this will be completed once all the Data Dictionary elements are confirmed (a few examples have been provided)

## General data (Gen)

These data elements will be available for all incidents entered into the system

| Data # | Data Element | Description / Definition | Data Type | Codeset? | Notes/ Rules | ISRID |
| --- | --- | --- | --- | --- | --- | --- |
| Gen\_1 | Environment | What environment relates to this SAR alert? | Alphabetic | Yes |  | GenEnv |
| Gen\_2 | Beacon: activation? | Was a distress beacon activated as part of the incident? | Boolean |  |  |  |
| Gen\_3 | Beacon: country code | The country code associated with the distress beacon | Numeric | Yes | Only if Gen\_2 = “yes” |  |
| Gen\_4 | Beacon: Hex ID | The HEX ID for the distress beacon | Alphanumeric (23 characters) |  | Only if Gen\_2 = “yes” |  |
| Gen\_5 | Beacon: NZ registered? | Is the distress beacon registered in the NZ registration database? | Boolean | Yes | Only if Gen\_2 = “yes” |  |
| Gen\_6 | Beacon: reason for activation | What was the reason for the activation of the distress beacon | Alphabetic | Yes | Only if Gen\_2 = “yes” |  |
| Gen\_7 | Beacon: registration details correct? | Are the registration details correct and up to date? | Boolean |  | Only if Gen\_2 = “yes” |  |
| Gen\_8 | Beacon: type | The type of distress beacon that was activated | Alphabetic | Yes | Only if Gen\_2 = “yes” |  |
| Gen\_9 | Brief circumstances | Provide a short synopsis of the incident | Free Text |  | Can not be left blank |  |
| Gen\_10 | Completed by | Name of the person who completed the incident form | Free Text |  | Auto populate from user |  |
| Gen\_11 | Date and Time –notification | Date and Time SAR Coordinating Authority notified of the incident | Date Time |  | To be entered in DD/MM/YYYY format using NZST or NZDT time |  |
| Gen\_12 | Date and Time – completion | Date and Time the incident is completed | Date Time |  | To be entered in DD/MM/YYYY format using NZST or NZDT time  CAN NOT be earlier than Gen\_11 |  |
| Gen\_13 | Response | Was the incident resolved during the *awareness, initial action,* or *planning* stages, or did it require a SAR Operation? | Alphabetic | Yes |  |  |
| Gen\_14 | Incident duration | The length of time from the notification of the SAR incident till its conclusion (IMT stood-down). (Note the start time is the incident notification, not when a person got into distress.) | Numeric |  | Auto calculate the difference between ‘Date and Time –notification’ and ‘Date and Time – completion’  Time to be entered in hours to one decimal place. |  |
| Gen\_15 | Alert method | How was the SAR system notified of the SAR alert? (for when the alert was first raised) | Alphabetic | Yes |  |  |
| Gen\_16 | SAR Squad | The Police SAR Squad that is responding to this incident | Alphabetic | Yes | Only visible to Police |  |
| Gen\_17 | Police Area | The Police Area responding to the incident | Alphabetic | Yes | Only visible to Police |  |
| Gen\_18 | Police District | The Police District responding to the incident | Alphabetic | Yes | Only visible to Police |  |
| Gen\_19 | Police event number | The unique event number from Police for this incident | Alphanumeric |  | Auto-populated if possible |  |
| Gen\_20 | RCCNZ incident number | The unique incident number from RCCNZ for this incident | Alphanumeric |  | Auto-populated if possible |  |
| Gen\_21 | SAR category OR non-SAR activity type | SAR category at conclusion of the incident; OR, the type of non-SAR response provided | Alphabetic | Yes |  |  |
| Gen\_22 | SAR category transferred? | Was there a transfer of SAR category (transfer of coordination) during the incident? | Boolean |  |  |  |
| Gen\_23 | Search and Rescue Region (SRR) | Which Search and Rescue Region did the incident occur in? | Alphabetic | Yes | Only visible to RCCNZ |  |

## Resources data

These data elements will be available for all incidents entered into the system. They are divided into three sub-sections: Human Resources, Assets, and SLA Partners.

### Human Resources data (HR)

| Data # | Data Element | Description / Definition | Data Type | Codeset? | Notes/ Rules |
| --- | --- | --- | --- | --- | --- |
| HR\_1 | Organisation Level people (human resource) | The Organisation level of the people (human resource) used for the SAR incident | Alphabetic | Yes |  |
| HR\_2 | Unit Level people (human resource) | The Unit level of the people (human resource) used for the SAR incident | Alphabetic | Yes |  |
| HR\_3 | Type of Use | How the unit level people (human resource) was used for the SAR incident | Alphabetic | Yes | If the Unit was used in more than one manner, a separate line for the unit will need to be entered |
| HR\_4 | Unit People | The number of people (human resource) used by the unit for the SAR incident | Numeric | No |  |
| HR\_5 | Unit Hours | The number of people (human resource) hours used by the unit for the SAR incident | Numeric | No | To one decimal place |
| HR\_6 | Unit Cost | The cost of the unit people (human resource) for the SAR incident | Numeric | No | Auto-populate and non-editable by the user |
| HR\_7 | Total People | The total number of people (human resource) used for the SAR incident | Numeric | No | Auto-sum for each unit level entered |
| HR\_8 | Total Hours | The total number of people (human resource) hours used for the SAR incident | Numeric | No | Auto-sum for each unit level entered  To one decimal place |
| HR\_9 | Total Cost | The total cost of the people (human resource) used for the SAR incident |  |  | Auto-populate and non-editable by the user |

### Asset Resources data (Ast)

| Data # | Data Element | Description / Definition | Data Type | Codeset? | Notes/ Rules |
| --- | --- | --- | --- | --- | --- |
| Ast\_1 | Organisation or environment level asset | The organisation or environment level of the asset used for the SAR incident | Alphabetic | Yes |  |
| Ast\_2 | Unit level asset | The unit level for the asset used | Alphabetic | Yes | This may require up to two levels of cascading granularity |
| Ast\_3 | Asset type | The particular type of asset used | Alphabetic | Yes | This may require up to two levels of cascading granularity |
| Ast\_4 | Asset Hours | The number of hours for the asset for the SAR incident | Numeric | No | To one decimal place |
| Ast\_5 | Asset Cost | The cost for the asset for the SAR incident | Numeric | No | Auto-populate and non-editable by the user |
| Ast\_6 | Total Hours | The total number of hours for the assets used for the SAR incident | Numeric | No | Auto-sum for each unit level entered |
| Ast\_7 | Total Cost | The total cost for the assets used for the SAR incident | Numeric | No | Auto-sum for each unit level entered |

### SLA Partner Data (SLA)

| Data # | Data Element | Description / Definition | Data Type | Codeset? | Notes/ Rules |
| --- | --- | --- | --- | --- | --- |
| SLA\_1 | SLA Partner | The SLA partner used during the incident | Alphabetic | Yes |  |
| SLA\_2 | Expected Service Level Met | Did the performance of the SLA partners meet expected service level during this SAROP | Boolean |  | If selected ‘No’, this should generate an alert email to NZSAR |
| SLA\_3 | Comments | Provide an explanation of any unsatisfactory SLA partners performance during this SAROP | Free text | Only if Org\_2 = ‘No’ |  |

## Operation data (Ops)

These data elements will only be available if Gen\_13 “Response” = ‘SAROP’

| Data # | Data Element | Description / Definition | Data Type | Codeset? | Notes/ Rules | ISRID |
| --- | --- | --- | --- | --- | --- | --- |
| Ops\_1 | Activity: Air | The type of air related activity that was being undertaken | Alphabetic | Yes | Only if Gen\_1 = Air |  |
| Ops\_2 | Activity: Land | The type of land related activity that was being undertaken | Alphabetic | Yes | Only if Gen\_1 = Land |  |
| Ops\_3 | Activity: Wanderer | The type of wanderer involved | Alphabetic | Yes | Only if Gen\_1 = Land |  |
| Ops\_4 | Activity: Water | The type of water related activity that was being undertaken | Alphabetic | Yes | Only if Gen\_1 = Water |  |
| Ops\_5 | Alcohol or drugs suspected? | Was the use of alcohol or drugs suspected to be a contributing factor to the SAR incident | Boolean |  |  |  |
| Ops\_6 | Cause of incident: Land | What, in your opinion, was the main contributing cause of the incident | Alphabetic | Yes | Only if Gen\_1 = Land |  |
| Ops\_7 | Cause of incident: Vessel | What, in your opinion, was the main contributing cause of the incident | Alphabetic | Yes | Only if Ops\_4 = ’Recreational boating’ OR ‘Non-recreational boating’ |  |
| Ops\_8 | Health & Safety: incident during SAROP? | Was there a health & safety incident, or near miss, during the SAROP? | Boolean |  | If selected ‘Yes’, this should generate an alert email to the appropriate manager |  |
| Ops\_9 | Location: COSPAS-SARSAT confirmed position | The confirmed position provided by COSPAS-SARSAT | Numeric |  | (WGS84 format) |  |
| Ops\_10 | Location: COSPAS-SARSAT Initial position | The Initial position provided by COSPAS-SARSAT | Numeric |  | (WGS84 format) |  |
| Ops\_11 | Location: Find Location - Altitude | Find location - altitude in meters | Numeric |  | Zero decimal places  Auto-populate from LatLong |  |
| Ops\_12 | Location: Find Location | Find location - latitude and longitude (The location the subject is actually located at) | Numeric |  | Decimal degree format DDD.ddddddd to seven decimal places (WGS84 format) |  |
| Ops\_13 | Location: Incident location | The nearest named geographical location | Free Text |  |  |  |
| Ops\_14 | Location: Initial Point - Altitude | The Initial Planning Point OR Last Known Position location - altitude in meters  Use IPP for land incident  Use LKP for aviation or water incidents | Numeric |  | Zero decimal places  Auto-populate from LatLong |  |
| Ops\_15 | Location: IPP OR LKP | The Initial Planning Point OR Last Known Position location - latitude and longitude (The location of the subject used for initial planning. An estimated position is acceptable when the subject is not located, or it is discovered there is no one at risk)  Use IPP for land incidents  Use LKP for aviation or water incidents | Numeric |  | Decimal degree format DDD.ddddddd to seven decimal places (WGS84 format) |  |
| Ops\_16 | Location: SRR |  | Alphabetic | From shape file | Auto-populate from the find location lat long (Ops\_12) OR IPP location (Ops\_15) IF Ops\_12 is incomplete  Use codeset Gen\_23  Not required to be shown on the form (is used for reporting) |  |
| Ops\_17 | Location: Police District |  | Alphabetic | From shape file  Shape file must extend 12nm past the low tide mark | Auto-populate from the find location (Ops\_12) OR IPP location (Ops\_15) IF Ops\_12 is incomplete  Not required to be shown on the form (is used for reporting) |  |
| Ops\_18 | Location: Police Area |  | Alphabetic | From shape file  Shape file must extend 12nm past the low tide mark | Auto-populate from the find location (Ops\_12) OR IPP location (Ops\_15) IF Ops\_12 is incomplete  Not required to be shown on the form (is used for reporting) |  |
| Ops\_19 | Location: Territorial Authority | The Territorial Authority Region the incident occurred in | Alphabetic | From shape file  Shape file must extend 12nm past the low tide mark | Auto-populate from the find location (Ops\_12) OR IPP location (Ops\_15) IF Ops\_12 is incomplete  Not required to be shown on the form (is used for reporting) |  |
| Ops\_20 | Location: DOC Land Unit | The DOC Area the incident occurred in | Alphabetic | From shape file | Auto-populate from the find location (Ops\_12) OR IPP location (Ops\_15) IF Ops\_12 is incomplete  Not required to be shown on the form (is used for reporting) |  |
| Ops\_21 | Location: LandSAR Group |  | Alphabetic | From shape file | Auto-populate from the find location (Ops\_12) OR IPP location (Ops\_15) IF Ops\_12 is incomplete  Not required to be shown on the form (is used for reporting) |  |
| Ops\_22 | Location: Coastguard Region |  | Alphabetic | From shape file | Auto-populate from the find location (Ops\_12) OR IPP location (Ops\_15) IF Ops\_12 is incomplete  Not required to be shown on the form (is used for reporting) |  |
| Ops\_23 | Location: SLSNZ Region |  | Alphabetic | From shape file | Auto-populate from the find location (Ops\_12) OR IPP location (Ops\_15) IF Ops\_12 is incomplete  Not required to be shown on the form (is used for reporting) |  |
| Ops\_24 | LPB: Closest linear feature type | What was the closest linear feature to the subject’s located position? (if known) | Alphabetic | Yes | Only if Gen\_1 = Land |  |
| Ops\_25 | LPB: Detectability (if lost) | How easy was it to detect the subject when they were located? (if known) | Alphabetic | Yes | Only if Gen\_1 = Land |  |
| Ops\_26 | LPB: distance from closest linear feature | How far away was the subject from the closest linear feature? (if known) | Numeric | No | Only if Gen\_1 = Land |  |
| Ops\_27 | LPB: How long was the subject mobile? | How long was the subject mobile for? (if known) | Numeric | No | Only if Gen\_1 = Land |  |
| Ops\_28 | LPB: Intended Destination | What was the intended destination of the casualty. To be entered as a latitude and longitude. | Numeric | No | Only if Gen\_1 = Land  Decimal degree format DD.ddddddd (two digits before decimal place, seven digits after) |  |
| Ops\_29 | LPB: Lost Strategy | The predominant strategy used by the subject. | Alphabetic | Yes | Only if Gen\_1 = Land |  |
| Ops\_30 | LPB: What distance was the subject from LPO | How far away was the subject from their Last Position Orientated (LPO)? (if known) | Numeric | No | Only if Gen\_1 = Land |  |
| Ops\_31 | Reactivated SAR? | Is this SAROP a continuation of a previously suspended SAROP? | Boolean |  |  |  |
| Ops\_32 | Reactivated SAR ID | The Police or RCCNZ incident number for the previously suspended SAROP | Numeric | No |  |  |
| Ops\_33 | Root cause | What, in your opinion, was the root cause of the SAR incident? | Alphabetic | Yes |  |  |
| Ops\_34 | Search techniques used | What search techniques were used during the SAROP? | Alphabetic | Yes |  |  |
| Ops\_35 | Search techniques used - successful | What search technique was successful in locating the distressed persons? | Alphabetic | Yes |  |  |
| Ops\_36 | Specialised rescue recovery technique | What specialised recovery techniques were used in the rescue (if applicable) | Alphabetic | Yes |  |  |
| Ops\_37 | Terrain Setting | What is the main type of terrain setting in the search area | Alphabetic | Yes | Only if Gen\_1 = Land |  |
| Ops\_38 | Land Cover | Land Cover | Alphabetic | Yes | Auto-populate from LCDB and not displayed on the form |  |
| Ops\_39 | Trip intentions | Did the subject leave trip intentions that were able to be used by the IMT in planning the SAR operation? | Boolean |  | Only if Gen\_1 = Land |  |
| Ops\_40 | Valid request for SAR? | Was this a valid request for SAR services? | Alphabetic | Yes |  |  |
| Ops\_41 | Date and Time – distress situation | Date and Time the subject(s) got into distress (if known) | Date Time |  | To be entered in DD/MM/YYYY format using NZST or NZDT time  CAN NOT be earlier than Gen\_11 | IncDate |
| Ops\_42 | Search suspended? | Was the SAROP formally suspended? | Boolean |  |  |  |
| Ops\_43 | Suspension Authoriser | Who authorised suspension of SAROP? | Free Text |  |  |  |
| Ops\_44 | Weather | Weather conditions at the time and location of distress |  |  | Not visible on the form Obtained from MetService |  |
| Ops\_45 | Wander pendant | Did the wanderer have a wander pendant? | Boolean |  | Only if any of the options for Ops\_3 are selected |  |
| Ops\_46 | Wander pendant use successful | Did the pendant provide the location of the wanderer? | Boolean |  | Only if any of the options for Ops\_3 are selected |  |

## Aircraft & Vessel data

These data elements will only be available if Gen\_13 “Response” = ‘SAROP’. They are divided into two sub-sections: Aircraft and Vessels.

### Aircraft data (Air)

Only available if Gen\_1 = ‘Air’

| Data # | Data Element | Description / Definition | Data Type | Codeset? | Notes/ Rules | ISRID |
| --- | --- | --- | --- | --- | --- | --- |
| Air\_1 | Aircraft type | Type of aircraft involved in the incident | Alphabetic | Yes |  |  |
| Air\_2 | Tracking/alerting device available? | Did the aircraft or vessel have an alerting or tracking device? | Boolean |  |  |  |
| Air\_3 | Tracking/alerting device supported the SAROP? | Did the alerting/tracking device provide information for the SAROP? | Boolean |  |  |  |
| Air\_4 | Aircraft registration | The registration number of the aircraft if applicable | Alphanumeric |  |  |  |

### Vessel data (Ves)

Only available if Gen\_1 = ‘Water’

| Data # | Data Element | Description / Definition | Data Type | Codeset? | Notes/ Rules | ISRID |
| --- | --- | --- | --- | --- | --- | --- |
| Ves\_1 | Recreational vessels | The number of recreational vessels involved in the distress situation | Numeric |  |  |  |
| Ves\_2 | Non-recreational vessels | The number of non-recreational vessels involved in the distress situation | Numeric |  |  |  |
| Ves\_3 | Recreational vessel: vessel type | Type and size of recreational vessel involved in the incident | Alphanumeric | Yes | Only if Ves\_1 > 0 |  |
| Ves\_4 | Non-recreational vessel type | Type of non-recreational vessel involved in the incident | Alphabetic | Yes |  |  |
| Ves\_5 | Communications carried | Did the recreational vessel have two forms of communications on board | Alphabetic | Yes | Only if Ves\_1 > 0 |  |
| Ves\_6 | Lifejackets available? | Were there enough correctly fitting lifejackets available for all people on the vessel | Alphabetic | Yes | Only if Ves\_1 > 0 |  |
| Ves\_7 | Lifejackets worn? | Were the lifejackets worn before the vessel became distressed, and/or in accordance with local by-laws | Alphabetic | Yes | Only if Ves\_1 > 0 |  |
| Ves\_8 | Subject preparedness of the recreational vessel | In your opinion, how prepared was the subject in terms of the suitability and maintenance of the vessel | Alphabetic | Yes | Only if Ves\_1 > 0 |  |
| Ves\_9 | Subject preparedness of the skipper and crew | In your opinion, how prepared was the subject in terms of their own, and their crew’s ability | Alphabetic | Yes | Only if Ves\_1 > 0 |  |
| Ves\_10 | Hired recreational vessel? | Was it a hired recreational vessel? | Boolean |  | Only if Ves\_1 > 0 |  |
| Ves\_11 | Vessel master profile | Training level or experience of the skipper | Alphabetic | Yes | Only if Ves\_1 > 0 |  |
| Ves\_12 | MNZ number | The MNZ number for the vessel (if known) | Alphanumeric |  |  |  |
| Ves\_13 | MMSI number | The MMSI number for the vessel (if known) | Alphanumeric |  |  |  |
| Ves\_14 | Tracking/alerting device available? | Did the aircraft or vessel have an alerting or tracking device? | Boolean |  |  |  |
| Ves\_15 | Tracking/alerting device supported the SAROP? | Did the alerting/tracking device provide information for the SAROP? | Boolean |  |  |  |
| Ves\_16 | Vessel name | The name of the vessel, if known | Free text |  |  |  |
| Ves\_17 | Vessel Flag | The flag state of the non-recreational vessel | Alphabetic | Yes |  |  |

## Outcome data (Out)

These data elements will only be available if Gen\_13 “Response” = ‘SAROP’

| Data # | Data Element | Description / Definition | Data Type | Codeset? | Notes/ Rules | ISRID |
| --- | --- | --- | --- | --- | --- | --- |
| Out\_1 | Lives Saved | Where, if SAR agencies had not intervened, life would definitely have been lost | Numeric |  |  |  |
| Out\_2 | Lives Rescued | Where SAR agencies locate and rescue a person or people at risk, and return them to a safe location | Numeric |  |  |  |
| Out\_3 | Lives Assisted | Where SAR agencies aid a person or people at low risk, but who, if left, would be at risk | Numeric |  |  |  |
| Out\_4 | Not Located | Where an individual is known to be at risk, and has not been located after a SAROP has been conducted and formally suspended | Numeric |  | CAN NOT be greater than Med\_10  Can only be entered if Ops\_43 = ‘Yes’ |  |
| Out\_5 | Number not recoverable | Where an individual is known to have perished, or assumed to have perished, and their body is unrecoverable (e.g. fallen into a crevasse or drowned) | Numeric |  | CAN NOT be greater than Med\_10 |  |
| Out\_6 | Number Perished or Assumed Perished | Number of people who perished, or assumed to have perished | Numeric |  |  |  |
| Out\_7 | Self Assisted | Where a person or people were at risk, but managed to reach a safe location without assistance from SAR agencies | Numeric |  |  |  |
| Out\_8 | Number at Risk | The number of people in the party who required help (do not include members of the party who stay to assist a person in distress) | Numeric |  | This is the SUM of: Out\_1 Out\_2 Out\_3 Out\_6 Out\_7 |  |
| Out\_9 | Number in the party | Total number of people in the party | Numeric |  |  |  |
| Out\_10 | Fatality: after SAR alerted? | Did the fatality occur after the SAR system was alerted? | Alphabetic | Yes | Only if Out\_6 > 0 |  |

## Subject & Medical data (Sub)

These data elements will only be available if Gen\_13 “Response” = ‘SAROP’

This data is required for the number of people at risk (Out\_8).

| Data # | Data Element | Description / Definition | Data Type | Codeset? | Notes/ Rules | ISRID |
| --- | --- | --- | --- | --- | --- | --- |
| Sub\_1 | Address: Town or City | The home town or city of the individual (not applicable for international tourist) | Free text |  |  |  |
| Sub\_2 | Age | Age (in years) of the individual | Numeric (3) |  | Only to be entered if known. | (Age) |
| Sub\_3 | Ethnicity | Ethnicity of the individual | Alphabetic | Yes |  |  |
| Sub\_4 | Sex | Sex of the individual | Boolean | Yes | ‘male’ OR ‘female’ | (Sex) |
| Sub\_5 | Residency status | Residency status of the individual | Alphabetic | Yes |  |  |
| Sub\_6 | Nationality | Nationality of the migrant or international tourist | Alphabetic | Yes | Only if Sub\_5 = ‘migrant’ OR ‘international tourist’ |  |
| Sub\_7 | Migrant: Time in New Zealand | How long has the migrant lived in New Zealand | Numeric |  | In years |  |
| Sub\_8 | Name | Name of the individual | Free text |  |  |  |
| Sub\_9 | Subject preparedness: clothing, equipment, supplies | In your opinion, how prepared was the subject in terms of all their equipment | Alphabetic | Yes |  |  |
| Sub\_10 | Subject preparedness: experience, fitness, knowledge | In your opinion, how prepared was the subject in terms of their own ability | Alphabetic | Yes |  |  |
| Sub\_11 | Subject: email | Email address of the subject (if obtainable) | Alphanumeric |  |  |  |
| Sub\_12 | Subject: phone | Phone number of the subject (if obtainable) | Numeric |  | Use ‘00’ instead of ‘+’ to indicate international number |  |
| Sub\_13 | Reasons (if injury) | What was the cause of the injury sustained by the individual | Alphabetic | Yes |  |  |
| Sub\_14 | Type of injury or illness | What type of injury or illness did the individual sustain | Alphabetic | Yes |  |  |
| Sub\_15 | Extent of injury / illness | What level of medical treatment did the individual require for their injury or illness | Alphabetic | Yes |  |  |
| Sub\_16 | Fatality: contributing factor | In your opinion, what was the contributing factor for the fatality? | Alphabetic | Yes |  |  |

# Codesets

This section only includes data elements for which values are specified in codesets. These codesets usually appear as drop down lists in a form or database but can also be represented by radio buttons in a graphical user interface. Data elements that allow open data entry such as *incident number* and *location* do not appear in this section.

Each Data Category is listed as a major heading. Within each Data Category those data elements that have associated codesets are listed as sub-headings. Under each of those data element subheadings there is a table containing the codeset values for each data element. Each codeset value has been assigned a sequential number for reference purposes: 01, 02 etc.

## General data (Gen)

Incident data contains data that will be used for high-level reporting.

**Data #:**  Gen\_1

**Data Element:** Environment

**Data type:** Alphabetic

**Rules:**

| Codeset value | Notes |
| --- | --- |
| Air |  |
| Land |  |
| Wanderer | Not visible as a separate option, but will be able to be used for reporting. Use layout as shown in wireframe 2.3 |
| Water |  |
| Not Determined |  |

**Data #:**  Gen\_3

**Data Element:** Beacon: Country Code

**Data type:** Numeric (3)

**Rules:** Only if Gen\_2 = “Yes”

Default selection is codeset 512 “New Zealand”

**Source:** COSPAS-SARSAT

| Codeset Value | Description |
| --- | --- |
| 201 | Albania (Republic of) |
| 202 | Andorra (Principality of) |
| 203 | Austria |
| 204 | Azores - Portugal |
| 205 | Belgium |
| 206 | Belarus (Republic of) |
| 207 | Bulgaria (Republic of) |
| 208 | Vatican City State |
| 209, 210 | Cyprus (Republic of) |
| 211 | Germany (Federal Republic of) |
| 212 | Cyprus (Republic of) |
| 213 | Georgia |
| 214 | Moldova (Republic of) |
| 215 | Malta |
| 216 | Armenia (Republic of) |
| 218 | Germany (Federal Republic of) |
| 219, 220 | Denmark |
| 224, 225 | Spain |
| 226, 227, 228 | France |
| 229 | Malta |
| 230 | Finland |
| 231 | Faroe Islands - Denmark |
| 232, 233, 234, 235 | United Kingdom of Great Britain and Northern Ireland |
| 236 | Gibraltar - United Kingdom of Great Britain and Northern Ireland |
| 237 | Greece |
| 238 | Croatia (Republic of) |
| 239, 240, 241 | Greece |
| 242 | Morocco (Kingdom of) |
| 243 | Hungary |
| 244, 245, 246 | Netherlands (Kingdom of the) |
| 247 | Italy |
| 248, 249 | Malta |
| 250 | Ireland |
| 251 | Iceland |
| 252 | Liechtenstein (Principality of) |
| 253 | Luxembourg |
| 254 | Monaco (Principality of) |
| 255 | Madeira - Portugal |
| 256 | Malta |
| 257, 258, 259 | Norway |
| 261 | Poland (Republic of) |
| 262 | Montenegro |
| 263 | Portugal |
| 264 | Romania |
| 265, 266 | Sweden |
| 267 | Slovak Republic |
| 268 | San Marino (Republic of) |
| 269 | Switzerland (Confederation of) |
| 270 | Czech Republic |
| 271 | Turkey |
| 272 | Ukraine |
| 273 | Russian Federation |
| 274 | The Former Yugoslav Republic of Macedonia |
| 275 | Latvia (Republic of) |
| 276 | Estonia (Republic of) |
| 277 | Lithuania (Republic of) |
| 278 | Slovenia (Republic of) |
| 279 | Serbia (Republic of) |
| 301 | Anguilla - United Kingdom of Great Britain and Northern Ireland |
| 303 | Alaska (State of) - United States of America |
| 304, 305 | Antigua and Barbuda |
| 306 | Sint Maarten (Dutch part) - Netherlands (Kingdom of the) |
| 306 | Bonaire, Sint Eustatius and Saba - Netherlands (Kingdom of the) |
| 306 | Curaçao - Netherlands (Kingdom of the) |
| 307 | Aruba - Netherlands (Kingdom of the) |
| 308, 309 | Bahamas (Commonwealth of the) |
| 310 | Bermuda - United Kingdom of Great Britain and Northern Ireland |
| 311 | Bahamas (Commonwealth of the) |
| 312 | Belize |
| 314 | Barbados |
| 316 | Canada |
| 319 | Cayman Islands - United Kingdom of Great Britain and Northern Ireland |
| 321 | Costa Rica |
| 323 | Cuba |
| 325 | Dominica (Commonwealth of) |
| 327 | Dominican Republic |
| 329 | Guadeloupe (French Department of) - France |
| 330 | Grenada |
| 331 | Greenland - Denmark |
| 332 | Guatemala (Republic of) |
| 334 | Honduras (Republic of) |
| 336 | Haiti (Republic of) |
| 338 | United States of America |
| 339 | Jamaica |
| 341 | Saint Kitts and Nevis (Federation of) |
| 343 | Saint Lucia |
| 345 | Mexico |
| 347 | Martinique (French Department of) - France |
| 348 | Montserrat - United Kingdom of Great Britain and Northern Ireland |
| 350 | Nicaragua |
| 351, 352, 353, 354 | Panama (Republic of) |
| 355,356, 357 | - |
| 358 | Puerto Rico - United States of America |
| 359 | El Salvador (Republic of) |
| 361 | Saint Pierre and Miquelon (Territorial Collectivity of) - France |
| 362 | Trinidad and Tobago |
| 364 | Turks and Caicos Islands - United Kingdom of Great Britain and Northern Ireland |
| 366, 367, 368, 369 | United States of America |
| 370, 371, 372, 373 | Panama (Republic of) |
| 374 | - |
| 375, 376, 377 | Saint Vincent and the Grenadines |
| 378 | British Virgin Islands - United Kingdom of Great Britain and Northern Ireland |
| 379 | United States Virgin Islands - United States of America |
| 401 | Afghanistan |
| 403 | Saudi Arabia (Kingdom of) |
| 405 | Bangladesh (People's Republic of) |
| 408 | Bahrain (Kingdom of) |
| 410 | Bhutan (Kingdom of) |
| 412, 413, 414 | China (People's Republic of) |
| 416 | Taiwan (Province of China) - China (People's Republic of) |
| 417 | Sri Lanka (Democratic Socialist Republic of) |
| 419 | India (Republic of) |
| 422 | Iran (Islamic Republic of) |
| 423 | Azerbaijan (Republic of) |
| 425 | Iraq (Republic of) |
| 428 | Israel (State of) |
| 431, 432 | Japan |
| 434 | Turkmenistan |
| 436 | Kazakhstan (Republic of) |
| 437 | Uzbekistan (Republic of) |
| 438 | Jordan (Hashemite Kingdom of) |
| 440, 441 | Korea (Republic of) |
| 443 | State of Palestine (In accordance with Resolution 99 Rev. Guadalajara, 2010) |
| 445 | Democratic People's Republic of Korea |
| 447 | Kuwait (State of) |
| 450 | Lebanon |
| 451 | Kyrgyz Republic |
| 453 | Macao (Special Administrative Region of China) - China (People's Republic of) |
| 455 | Maldives (Republic of) |
| 457 | Mongolia |
| 459 | Nepal (Federal Democratic Republic of) |
| 461 | Oman (Sultanate of) |
| 463 | Pakistan (Islamic Republic of) |
| 466 | Qatar (State of) |
| 468 | Syrian Arab Republic |
| 470 | United Arab Emirates |
| 472 | Tajikistan (Republic of) |
| 473, 475 | Yemen (Republic of) |
| 477 | Hong Kong (Special Administrative Region of China) - China (People's Republic of) |
| 478 | Bosnia and Herzegovina |
| 501 | Adelie Land - France |
| 503 | Australia |
| 506 | Myanmar (Union of) |
| 508 | Brunei Darussalam |
| 510 | Micronesia (Federated States of) |
| 511 | Palau (Republic of) |
| 512 | New Zealand |
| 514, 515 | Cambodia (Kingdom of) |
| 516 | Christmas Island (Indian Ocean) - Australia |
| 518 | Cook Islands - New Zealand |
| 520 | Fiji (Republic of) |
| 523 | Cocos (Keeling) Islands - Australia |
| 525 | Indonesia (Republic of) |
| 529 | Kiribati (Republic of) |
| 531 | Lao People's Democratic Republic |
| 533 | Malaysia |
| 536 | Northern Mariana Islands (Commonwealth of the) - United States of America |
| 538 | Marshall Islands (Republic of the) |
| 540 | New Caledonia - France |
| 542 | Niue - New Zealand |
| 544 | Nauru (Republic of) |
| 546 | French Polynesia - France |
| 548 | Philippines (Republic of the) |
| 553 | Papua New Guinea |
| 555 | Pitcairn Island - United Kingdom of Great Britain and Northern Ireland |
| 557 | Solomon Islands |
| 559 | American Samoa - United States of America |
| 561 | Samoa (Independent State of) |
| 563, 564, 565, 566 | Singapore (Republic of) |
| 567 | Thailand |
| 570 | Tonga (Kingdom of) |
| 572 | Tuvalu |
| 574 | Viet Nam (Socialist Republic of) |
| 576, 577 | Vanuatu (Republic of) |
| 578 | Wallis and Futuna Islands - France |
| 601 | South Africa (Republic of) |
| 603 | Angola (Republic of) |
| 605 | Algeria (People's Democratic Republic of) |
| 607 | Saint Paul and Amsterdam Islands - France |
| 608 | Ascension Island - United Kingdom of Great Britain and Northern Ireland |
| 609 | Burundi (Republic of) |
| 610 | Benin (Republic of) |
| 611 | Botswana (Republic of) |
| 612 | Central African Republic |
| 613 | Cameroon (Republic of) |
| 615 | Congo (Republic of the) |
| 616 | Comoros (Union of the) |
| 617 | Cabo Verde (Republic of) |
| 618 | Crozet Archipelago - France |
| 619 | Côte d'Ivoire (Republic of) |
| 620 | Comoros (Union of the) |
| 621 | Djibouti (Republic of) |
| 622 | Egypt (Arab Republic of) |
| 624 | Ethiopia (Federal Democratic Republic of) |
| 625 | Eritrea |
| 626 | Gabonese Republic |
| 627 | Ghana |
| 629 | Gambia (Republic of the) |
| 630 | Guinea-Bissau (Republic of) |
| 631 | Equatorial Guinea (Republic of) |
| 632 | Guinea (Republic of) |
| 633 | Burkina Faso |
| 634 | Kenya (Republic of) |
| 635 | Kerguelen Islands - France |
| 636, 637 | Liberia (Republic of) |
| 638 | South Sudan (Republic of) |
| 642 | Libya |
| 644 | Lesotho (Kingdom of) |
| 645 | Mauritius (Republic of) |
| 647 | Madagascar (Republic of) |
| 649 | Mali (Republic of) |
| 650 | Mozambique (Republic of) |
| 654 | Mauritania (Islamic Republic of) |
| 655 | Malawi |
| 656 | Niger (Republic of the) |
| 657 | Nigeria (Federal Republic of) |
| 659 | Namibia (Republic of) |
| 660 | Reunion (French Department of) - France |
| 661 | Rwanda (Republic of) |
| 662 | Sudan (Republic of the) |
| 663 | Senegal (Republic of) |
| 664 | Seychelles (Republic of) |
| 665 | Saint Helena - United Kingdom of Great Britain and Northern Ireland |
| 666 | Somalia (Federal Republic of) |
| 667 | Sierra Leone |
| 668 | Sao Tome and Principe (Democratic Republic of) |
| 669 | Swaziland (Kingdom of) |
| 670 | Chad (Republic of) |
| 671 | Togolese Republic |
| 672 | Tunisia |
| 674 | Tanzania (United Republic of) |
| 675 | Uganda (Republic of) |
| 676 | Democratic Republic of the Congo |
| 677 | Tanzania (United Republic of) |
| 678 | Zambia (Republic of) |
| 679 | Zimbabwe (Republic of) |
| 701 | Argentine Republic |
| 710 | Brazil (Federative Republic of) |
| 720 | Bolivia (Plurinational State of) |
| 725 | Chile |
| 730 | Colombia (Republic of) |
| 735 | Ecuador |
| 740 | Falkland Islands (Malvinas) - United Kingdom of Great Britain and Northern Ireland |
| 745 | Guiana (French Department of) - France |
| 750 | Guyana |
| 755 | Paraguay (Republic of) |
| 760 | Peru |
| 765 | Suriname (Republic of) |
| 770 | Uruguay (Eastern Republic of) |
| 775 | Venezuela (Bolivarian Republic of) |

**Data #:**  Gen\_6

**Data Element:** Beacon: Reason for activation

**Data type:** Alphabetic

**Rules:** Only if Gen\_2 = “yes”

Options selected must align with Ops\_40 valid request for SAR

| Codeset value | Notes |
| --- | --- |
| Real distress |  |
| Deliberate but questionable need for SAROP |  |
| Mishandling / inadvertent | Includes incorrectly disposed |
| Malicious / hoax |  |
| Malfunction |  |
| Outside NZSRR | Used if another RCC will coordinate the response |
| Undetermined |  |

**Data #:**  Gen\_8

**Data Element:** Beacon: type

**Data type:** Alphabetic

**Rules:** Only if Gen\_2 = “yes”

| Codeset value | Notes |
| --- | --- |
| ELT |  |
| EPIRB |  |
| PLB |  |
| Indeterminable |  |

**Data #:**  Gen\_13

**Data Element:** Response

**Data type:** Alphabetic

**Rules:**

| Codeset value | Notes |
| --- | --- |
| Communications or initial investigation only | When information is received during the *awareness*, *initial action* (defined as preliminary action taken to alert SAR facilities and obtain more information), or *planning* stages that there is no one in distress (or are no longer in distress). |
| SAROP conducted | When SAR resources are dispatched to conduct searches, rescue survivors, provide emergency care, and deliver casualties to medical facilities. |
| Unresolved alert with no SAR action required | Brief COSPAS-SARSAT alerts received that have no clear position or contact details and therefore aren’t able to be actioned.  Only visible to RCCNZ |

**Data #:**  Gen\_15

**Data Element:** Alert method

**Data type:** Alphabetic

**Rules:**

| Codeset value | Notes |
| --- | --- |
| COSPAS SARSAT distress beacon |  |
| Phone call to Police 111 |  |
| Transfer from Ambulance or FENZ 111 |  |
| SEND notification | (includes SPOT, inReach etc) |
| Flight Tracking Device |  |
| Airways (ATS) |  |
| Marine VHF via MOC |  |
| Marine HF via MOC |  |
| Marine VHF via Coastguard |  |
| Other marine radio provider |  |
| Other RCC |  |
| Phone call to RCCNZ | From the distressed party or their trusted contact |
| Direct phone call or in person to Police SAR / Station (without using 111) | From the distressed party or their trusted contact |

**Data #:**  Gen\_16

**Data Element:** SAR Squad

**Data type:** Alphabetic

**Rules:**

| Codeset value | Notes |
| --- | --- |
| Whangärei |  |
| Auckland |  |
| Hamilton |  |
| Rotorua |  |
| Taupo |  |
| Tauranga |  |
| Gisborne |  |
| Hawkes Bay |  |
| New Plymouth |  |
| Wanganui |  |
| Manawatu |  |
| Masterton |  |
| Wellington |  |
| Nelson |  |
| Marlborough |  |
| West Coast |  |
| Christchurch |  |
| Timaru |  |
| Dunedin |  |
| Invercargill |  |
| Queenstown |  |
| Wanaka |  |

**Data #:**  Gen\_17

**Data Element:** Police Area

**Data type:** Alphabetic

**Rules:**

| Codeset value | Notes |
| --- | --- |
| Far North Area | Only if Gen\_17 = “Northland” |
| Whangarei Area | Only if Gen\_17 = “Northland” |
| Rodney Area | Only if Gen\_17 = “Waitematā” |
| North Shore Area | Only if Gen\_17 = “Waitematā” |
| Waitakere Area | Only if Gen\_17 = “Waitematā” |
| Auckland West Area | Only if Gen\_17 = “Auckland City” |
| Auckland Central Area | Only if Gen\_17 = “Auckland City” |
| Auckland East Area | Only if Gen\_17 = “Auckland City” |
| Counties/Manukau West Area | Only if Gen\_17 = “Counties Manukau” |
| Counties/Manukau East Area | Only if Gen\_17 = “Counties Manukau” |
| Counties/Manukau Central Area | Only if Gen\_17 = “Counties Manukau” |
| Counties/Manukau South Area | Only if Gen\_17 = “Counties Manukau” |
| Waikato East Area | Only if Gen\_17 = “Waikato” |
| Waikato West Area | Only if Gen\_17 = “Waikato” |
| Hamilton City Area | Only if Gen\_17 = “Waikato” |
| Western Bay of Plenty Area | Only if Gen\_17 = “Bay of Plenty” |
| Eastern Bay of Plenty Area | Only if Gen\_17 = “Bay of Plenty” |
| Rotorua Area | Only if Gen\_17 = “Bay of Plenty” |
| Taupo Area | Only if Gen\_17 = “Bay of Plenty” |
| Tairawhiti Area | Only if Gen\_17 = “Eastern” |
| Hawkes Bay Area | Only if Gen\_17 = “Eastern” |
| Taranaki Area | Only if Gen\_17 = “Central” |
| Whanganui Area | Only if Gen\_17 = “Central” |
| Manawatu Area | Only if Gen\_17 = “Central” |
| Kapiti-Mana Area | Only if Gen\_17 = “Wellington” |
| Wairarapa Area | Only if Gen\_17 = “Wellington” |
| Hutt Valley Area | Only if Gen\_17 = “Wellington” |
| Wellington City Area | Only if Gen\_17 = “Wellington” |
| Marlborough Area | Only if Gen\_17 = “Tasman” |
| Nelson Bays Area | Only if Gen\_17 = “Tasman” |
| West Coast Area | Only if Gen\_17 = “Tasman” |
| Canterbury Metro Area | Only if Gen\_17 = “Canterbury” |
| Mid-South Canterbury Area | Only if Gen\_17 = “Canterbury” |
| Otago Coastal Area | Only if Gen\_17 = “Southern” |
| Otago Lakes Central Area | Only if Gen\_17 = “Southern” |
| Southland Area | Only if Gen\_17 = “Southern” |
| Outside NZ 12nm limits | Automatically selected if Gen\_17 = “Outside NZ 12nm limits” |
| Undetermined | Automatically selected if Gen\_17 = “Undetermined” |

**Data #:**  Gen\_18

**Data Element:** Police District

**Data type:** Alphabetic

**Rules:**

| Codeset value | Notes |
| --- | --- |
| Northland District |  |
| Waitematā District |  |
| Auckland City District |  |
| Counties Manukau District |  |
| Waikato District |  |
| Bay of Plenty District |  |
| Eastern District |  |
| Central District |  |
| Wellington District |  |
| Tasman District |  |
| Canterbury District |  |
| Southern District |  |
| Outside NZ 12nm limits |  |
| Undetermined |  |

**Data #:**  Gen\_21

**Data Element:** SAR Category OR non-SAR activity type

**Data type:** Alphabetic

**Rules:**

| Codeset value | Notes |
| --- | --- |
| Category 1 SAR |  |
| Category 2 SAR |  |
| Body Recovery | Only visible to Police |
| Exercise | Visible to Police and RCCNZ |
| Maritime Security | Only visible to RCCNZ |
| Maritime Assistance Services (MAS) | Only visible to RCCNZ |
| Medevac | Only visible to RCCNZ |
| RCCNZ Ops Log | Only visible to RCCNZ |
| Ambulance coordinated | Visible to Police and RCCNZ |

**Data #:**  Gen\_23

**Data Element:** Search and Rescue Region (SRR)

**Data type:** Alphabetic

**Rules:** If there is a SAROP, then this must align with the find location

| Codeset value | Notes |
| --- | --- |
| NZSRR | Default selection |
| Fiji SRR |  |
| New Caledonia SRR |  |
| Australia SRR |  |
| Chile SRR |  |
| USA SRR Honolulu |  |
| Tahiti SRR |  |
| Other SRR |  |

## Resources data (HR, Ast, SLA)

**Data #:**  HR\_1

**Data Element:** Organisation level people (human resource)

**Data type:** Alphabetic

| Codeset value | Notes |
| --- | --- |
| AREC Sections |  |
| Coastguard Units |  |
| LandSAR Groups |  |
| Specialist Land Teams (LandSAR/DOC) |  |
| Surf Life Saving Clubs |  |
| NZDF Personnel |  |
| NZ Police |  |
| FENZ personnel | Does not cascade |
| Civil Defence personnel | Does not cascade |
| NZ Response Teams | Does not cascade |
| Department of Conservation | Does not cascade |
| Spontaneous volunteers | Does not cascade |
| Other marine rescue groups |  |
| Other land rescue groups |  |
| Other |  |

**Data #:**  HR\_3

**Data Element:** Type of Use

**Data type:** Alphabetic

| Codeset value | Notes |
| --- | --- |
| On Standby Only |  |
| Deployed |  |
| Enquiry |  |
| Incident Management Team |  |

**Data #:**  HR\_2

**Data Element:** AREC Sections

**Rules:** As a codeset for HR\_1 = ‘AREC Sections’

| Codeset value | Notes |
| --- | --- |
| Ashburton |  |
| Auckland |  |
| Auckland VHF Group |  |
| Balclutha |  |
| Central Otago |  |
| Christchurch |  |
| E. Southland |  |
| Eastern B.O.P |  |
| Franklin |  |
| Gisborne |  |
| Hamilton |  |
| Hastings-Havelock North |  |
| Hibiscus Coast |  |
| Kapiti |  |
| Manawatu |  |
| Marlborough |  |
| Marton |  |
| Motueka |  |
| Nelson |  |
| New Plymouth |  |
| North Otago (Oamaru) |  |
| North Shore |  |
| Northland |  |
| Nth Canterbury |  |
| Otago |  |
| Papakura |  |
| Rotorua |  |
| Southland |  |
| South Canterbury |  |
| Tararua District |  |
| Tauranga ECG |  |
| Thames |  |
| Upper Hutt |  |
| Wairarapa |  |
| Wellington VHF Group |  |
| Western Suburbs |  |
| Westland |  |

**Data #:**  HR\_2, Ast\_2

**Data Element:** Coastguard Units

**Data type:** Alphabetic

**Rules:** As a codeset for HR\_1 OR Ast\_1 = ‘Coastguard Units’

| Codeset value | Notes |
| --- | --- |
| Auckland Coastguard Inc | Coastguard Rescue Vessel |
| Bay of Islands Coastguard Inc | Coastguard Rescue Vessel |
| Bluff Coastguard | Coastguard Rescue Vessel |
| Canterbury Coastguard Inc | Coastguard Rescue Vessel |
| Clyde Coastguard Inc | Coastguard Rescue Vessel |
| CNR Communications | Can only be used as a cascade for HR\_2, NOT for Ast\_2 |
| Coastguard Dunedin | Coastguard Rescue Vessel |
| Coastguard Far North | Coastguard Rescue Vessel |
| Coastguard Hibiscus Inc | Coastguard Rescue Vessel |
| Coastguard Kaipara | Coastguard Rescue Vessel |
| Coastguard Kapiti Coast - Kapiti | Coastguard Rescue Vessel |
| Coastguard Lake Taupo Inc | Coastguard Rescue Vessel |
| Coastguard Maketu | Coastguard Rescue Vessel |
| Coastguard Maraetai Inc | Coastguard Rescue Vessel |
| Coastguard North Shore | Coastguard Rescue Vessel |
| Coastguard Northern Region - Auckland Air Patrol | Coastguard Air Patrol |
| Coastguard Queenstown | Coastguard Rescue Vessel |
| Coastguard Whangaroa Inc | Coastguard Rescue Vessel |
| East Cape Volunteer Coastguard Inc | Coastguard Rescue Vessel |
| Gisborne Volunteer Coastguard | Coastguard Rescue Vessel |
| Great Barrier Coastguard | Coastguard Rescue Vessel |
| Hawke's Bay Volunteer Coastguard Inc | Coastguard Rescue Vessel |
| Hokianga Volunteer Coastguard | Coastguard Rescue Vessel |
| Howick Volunteer Coastguard Inc | Coastguard Rescue Vessel |
| Kaikoura Volunteer Coastguard | Coastguard Rescue Vessel |
| Kawau Volunteer Coastguard Inc | Coastguard Rescue Vessel |
| Lake Brunner Coastguard Inc | Coastguard Rescue Vessel |
| Mana Volunteer Coastguard | Coastguard Rescue Vessel |
| Manawatu Volunteer Coastguard Inc | Coastguard Rescue Vessel |
| Manukau Volunteer Coastguard | Coastguard Rescue Vessel |
| Marlborough Volunteer Coastguard | Coastguard Rescue Vessel |
| Nelson Volunteer Coastguard Inc | Coastguard Rescue Vessel |
| North Kaipara Volunteer Coastguard Air Sea Rescue | Coastguard Rescue Vessel |
| Northland Coastguard Air Patrol Inc | Coastguard Air Patrol |
| Opotiki Volunteer Coastguard | Coastguard Rescue Vessel |
| Papakura Volunteer Coastguard Inc | Coastguard Rescue Vessel |
| Raglan Volunteer Coastguard | Coastguard Rescue Vessel |
| Riverton Coastguard | Coastguard Rescue Vessel |
| Rotorua Lakes Volunteer Coastguard Inc | Coastguard Rescue Vessel |
| South Canterbury Volunteer Coastguard Inc | Coastguard Rescue Vessel |
| South Taranaki Volunteer Coastguard | Coastguard Rescue Vessel |
| Sumner Lifeboat Institution | Coastguard Rescue Vessel |
| Tairua-Pauanui Volunteer SAR & Coastguard | Coastguard Rescue Vessel |
| Taranaki Volunteer Coastguard Service Inc | Coastguard Rescue Vessel |
| Tauranga Volunteer Coastguard Association | Coastguard Rescue Vessel |
| Thames Volunteer Coastguard Inc | Coastguard Rescue Vessel |
| Turangi Volunteer Coastguard Inc | Coastguard Rescue Vessel |
| Tutukaka Coastguard | Coastguard Rescue Vessel |
| Waihau Bay Volunteer Coastguard | Coastguard Rescue Vessel |
| Waiheke Volunteer Coastguard Inc | Coastguard Rescue Vessel |
| Waihi Beach Volunteer Coastguard Inc | Coastguard Rescue Vessel |
| Waimakariri-Ashley Lifeboat Institute Inc | Coastguard Rescue Vessel |
| Waiuku Search & Rescue Association Inc | Coastguard Rescue Vessel |
| Wanganui Volunteer Coastguard | Coastguard Rescue Vessel |
| Wellington Volunteer Coastguard | Coastguard Rescue Vessel |
| West Coast Coastguard | Coastguard Rescue Vessel |
| Whakatane Coastguard Association Inc | Coastguard Rescue Vessel |
| Whangamata Volunteer Coastguard | Coastguard Rescue Vessel |
| Whangarei Volunteer Coastguard | Coastguard Rescue Vessel |
| Whangaruru Volunteer Coastguard Inc | Coastguard Rescue Vessel |
| Whitianga Volunteer Coastguard Inc | Coastguard Rescue Vessel |

**Data #:**  HR\_2

**Data Element:** LandSAR Groups

**Data type:** Alphabetic

**Rules:** As a codeset for HR\_1 = ‘LandSAR Groups’

| Codeset value | Notes |
| --- | --- |
| Auckland |  |
| Catlins |  |
| Central Otago |  |
| Christchurch |  |
| Clutha District |  |
| Dunedin |  |
| Eastern Southland |  |
| Ellesmere |  |
| Far North (Kerikeri) |  |
| Fiordland |  |
| Gisborne |  |
| Golden Bay |  |
| Greymouth |  |
| Haast |  |
| Hamilton |  |
| Hanmer Springs |  |
| Hawke's Bay |  |
| Hokitika |  |
| Horowhenua |  |
| Hurunui |  |
| Kaikoura |  |
| Karamea |  |
| Kuaotunu |  |
| Marlborough |  |
| McKenzie |  |
| Methven |  |
| Motueka |  |
| Murchison |  |
| Nelson |  |
| North Otago |  |
| Northland (Whangarei) |  |
| Oxford |  |
| Paeroa |  |
| Palmerston North |  |
| Rakaia |  |
| Reefton |  |
| Rotorua |  |
| Ruapehu |  |
| South Canterbury |  |
| South Westland |  |
| Southland |  |
| Stewart Island |  |
| Taihape |  |
| Tairua/Pauanui |  |
| Taranaki |  |
| Tararua |  |
| Taupō |  |
| Tauranga |  |
| Thames |  |
| Turangi |  |
| Waihi |  |
| Wairarapa |  |
| Wairoa |  |
| Waitomo |  |
| Wakatipu |  |
| Wanaka |  |
| Wanganui |  |
| Wellington |  |
| Westport |  |
| Whakatane |  |

**Data #:**  HR\_2

**Data Element:** Specialist Land Teams

**Data type:** Alphabetic

**Rules:** As a codeset for HR\_1 = ‘Specialist Land Teams’

| Codeset value | Notes |
| --- | --- |
| Aoraki/Mt Cook ACR (DOC) |  |
| Christchurch ACR |  |
| RARO ACR |  |
| Taranaki ACR |  |
| Tasman / West Coast ACR |  |
| Wakatipu ACR |  |
| Wanaka ACR |  |
| Avalanche Dogs |  |
| Wilderness Dogs |  |
| Cave SAR |  |
| Tasman Swift Water |  |
| Wanaka River SAR |  |

**Data #:**  HR\_2

**Data Element:** NZDF Personnel

**Data type:** Alphabetic

**Rules:** As a codeset for HR\_1 = ‘NZDF Personnel’

| Codeset value | Notes |
| --- | --- |
| Army personnel |  |
| Air Force personnel |  |
| Navy personnel |  |

**Data #:**  HR\_2

**Data Element:** NZ Police

**Data type:** Alphabetic

**Rules:** Used as a codeset for HR\_1 = ‘NZ Police’

| Codeset value | Notes |
| --- | --- |
| Whangärei SAR Squad |  |
| Auckland SAR Squad |  |
| Hamilton SAR Squad |  |
| Rotorua SAR Squad |  |
| Taupo SAR Squad |  |
| Tauranga SAR Squad |  |
| Gisborne SAR Squad |  |
| Hawkes Bay SAR Squad |  |
| New Plymouth SAR Squad |  |
| Wanganui SAR Squad |  |
| Manawatu SAR Squad |  |
| Masterton SAR Squad |  |
| Wellington SAR Squad |  |
| Nelson SAR Squad |  |
| Marlborough SAR Squad |  |
| West Coast SAR Squad |  |
| Christchurch SAR Squad |  |
| Timaru SAR Squad |  |
| Dunedin SAR Squad |  |
| Invercargill SAR Squad |  |
| Queenstown SAR Squad |  |
| Wanaka SAR Squad |  |
| Auckland Police Maritime Unit |  |
| Wellington Police Maritime Unit |  |
| Police Dog Handler |  |
| Dive Squad |  |
| General Duties Police staff |  |

**Data #:**  HR\_2, Ast\_2

**Data Element:** Surf Life Saving Clubs

**Data type:** Alphabetic

**Rules:** Used as a codeset for HR\_1 OR Ast\_1 = ‘Surf Life Saving Clubs’

| Codeset value | Notes |
| --- | --- |
| Bethells |  |
| Brighton |  |
| Buller |  |
| Castlecliff |  |
| East End |  |
| Far North |  |
| Fitzroy |  |
| Foxton |  |
| Himatangi |  |
| Hot Water Beach |  |
| Kaka Point |  |
| Karekare |  |
| Kariaotahi |  |
| Kotuku |  |
| Levin Waitarere |  |
| Lyall Bay |  |
| Mairangi Bay |  |
| Maketu |  |
| Mangawhai Heads |  |
| Maranui |  |
| Midway |  |
| Mt Maunganui |  |
| Muriwai |  |
| Nelson |  |
| New Brighton |  |
| New Plymouth Old Boys |  |
| Ngati Porou |  |
| North Beach |  |
| North Piha |  |
| Ocean Beach Kiwi |  |
| Omaha |  |
| Omanu Beach |  |
| Onemana |  |
| Opotiki |  |
| Opunake |  |
| Oreti |  |
| Orewa |  |
| Otaki |  |
| Pacific |  |
| Paekakariki |  |
| Pakiri Beach |  |
| Papamoa |  |
| Pauanui |  |
| Piha |  |
| Pukehina Beach |  |
| Raglan |  |
| Rarangi |  |
| Red Beach |  |
| Riversdale |  |
| Ruakaka Beach |  |
| South Brighton |  |
| Spencer Park |  |
| St Clair |  |
| St Kilda |  |
| Sumner |  |
| Sunset Beach |  |
| Tairua |  |
| Taylors Mistake |  |
| Thornton |  |
| Titahi Bay |  |
| Tolaga Bay |  |
| Waihi |  |
| Waikanae |  |
| Waikuku Beach |  |
| Waimairi |  |
| Waimarama |  |
| Wainui |  |
| Waipu Cove |  |
| Waitara |  |
| Warrington |  |
| WestShore |  |
| Whakatane |  |
| Whangamata |  |
| Whangarei Heads |  |
| Whiritoa |  |
| Worser Bay |  |

**Data #:**  HR\_2

**Data Element:** FENZ personnel, Civil Defence personnel, NZ Response Teams, Department of Conservation, Spontaneous volunteers, Other marine rescue groups, Other land rescue groups, Other

**Data type:** Alphabetic

**Rules:** As a codeset for HR\_1 = ‘FENZ personnel, Civil Defence personnel, NZ Response Teams, Department of Conservation, Spontaneous volunteers, Other marine rescue groups, Other land rescue groups, Other

| Codeset value | Notes |
| --- | --- |
| People |  |

**Data #:**  Ast\_1

**Data Element:** Organisation or environment level asset

**Data type:** Alphabetic

| Codeset value | Notes |
| --- | --- |
| Coastguard Assets | Does not cascade further but auto-populates from the codeset for Coastguard Units |
| Surf Life Saving Assets |  |
| Other Marine Rescue Asset |  |
| EMS Helicopter (Air Ambulance) | Cascades to a third level |
| Aviation Assets | Cascades to a third level  (Not Coastguard, NZDF, NZ Police, EMS) |
| NZDF Assets |  |
| NZ Police Assets |  |
| Marine Non-Rescue Assets |  |
| Other | Cascades to a short free text field? |

**Data #:**  Ast\_2

**Data Element:** EMS Helicopter

**Data type:** Alphabetic

**Rules:** Used as a codeset for Ast\_1 = ‘EMS Helicopters’

THIS CODESET WILL CHANGE IN NOVEMBER 2018

| Codeset value | Notes |
| --- | --- |
| Auckland Rescue Helicopter Trust |  |
| Bay Trust Rescue Helicopter |  |
| Eastland Rescue Trust |  |
| Garden City Helicopter Nelson |  |
| Garden City Helicopters Christchurch |  |
| Garden City Helicopters Greymouth |  |
| Greenlea Rescue Helicopter (Philips Search and Rescue Trust) Taupo |  |
| Hawkes Bay Helicopter Rescue Trust |  |
| Helicopter Services Bay of Plenty Ltd |  |
| Helicopters Otago Ltd. |  |
| Heliworks |  |
| LifeFlight Trust |  |
| Northland Emergency Services Trust |  |
| Palmerston North Rescue Helicopter |  |
| Southern Lakes Helicopters Ltd. |  |
| Taranaki Rescue Helicopter Trust (TRHT) |  |
| Trustpower Rescue Helicopter (TECT) |  |
| Waikato Westpac Rescue Helicopter |  |

**Data #:**  Ast\_2

**Data Element:** Aviation assets

**Data type:** Alphabetic

**Rules:** Used as a codeset for Ast\_1 = ‘Aviation Assets’

**Source:** NZSAR Resources Database

| Codeset Value | Notes |
| --- | --- |
| Aero Work Ltd |  |
| Action Helicopters |  |
| Advanced Flight Ltd |  |
| Alpine Helicopters Ltd |  |
| Amalgamated Helicopters Wairarapa Ltd |  |
| Amuri Helicopters Ltd |  |
| Anderson Helicopters Ltd. |  |
| Aspiring Helicopters |  |
| Beck Helicopters |  |
| Central Helicopters 2014 |  |
| Central South Island Helicopters |  |
| Christchurch Helicopters 2001 LTD |  |
| Coast to Coast Helicopters (Alan Brown) |  |
| Coastwide Helicopters Ltd (Mount Hutt Helicopters) |  |
| Command Aviation |  |
| East Kaweka Helicopters |  |
| FARAM AVIATION GROUP |  |
| Fox Franz Heliservices |  |
| Frontier Helicopters |  |
| Garden City Helicopters Christchurch |  |
| Gisborne Helicopters Ltd. |  |
| Glacier Southern Lakes Helicopters Ltd |  |
| Greenstone Helicopters |  |
| Heli A1 Ltd |  |
| HeliCharter Nelson |  |
| Helicopter Services Bay of Plenty Ltd |  |
| Helicopters Hawkes Bay |  |
| Helicopters NZ Ltd (Nelson) |  |
| Helicopters NZ Ltd (New Plymouth) |  |
| Helicopters Otago Ltd |  |
| HELICORP |  |
| HeliHire |  |
| Heliska Ltd |  |
| Helitranz |  |
| Heliventures NZ Ltd |  |
| Heliworx Aoteroa Ltd |  |
| Helliview |  |
| Hill Country Helicopters |  |
| Inflite Charters Auckland |  |
| Inflite Charters Mt COOK |  |
| Inflite Charters Taupo |  |
| ISLAND HOPPERS |  |
| Kaikoura Helicopters |  |
| Marlborough Helicopters |  |
| Milford Helicopters |  |
| Mount Hutt Helicopters 2013 Ltd |  |
| North Shore Helicopters Ltd |  |
| Oceania Helicopters NZ Ltd |  |
| Outback Helicopters |  |
| Over the Top helicopters |  |
| Pacific Island Air |  |
| Precision Helicopters - Blenheim |  |
| Precision Helicopters - Urenui |  |
| Precision Helicopters Hamilton |  |
| Precision Helicopters Whangarei |  |
| Rangitikei Helicopters Ltd |  |
| REID HELICOPTERS NELSON Ltd |  |
| Rimutaka Helicopter Services |  |
| Salt Air Ltd. |  |
| Skywork Helicopters Ltd. |  |
| Southern Lakes Helicopters Ltd. |  |
| Tararua Heliwork |  |
| TeAnau Helicopter Services |  |
| The Helicopter Line - FRANZ JOSEF / FOX |  |
| The Helicopter Line - MT COOK |  |
| The Helicopter Line - QUEENSTOWN |  |
| Twincoast Helicopters |  |
| Volcanic Air |  |
| Wairarapa Helicopters Ltd |  |
| Wanaka Helicopters Ltd |  |
| Wellington Helicopters |  |
| Other Defence/Police Aircraft (non-NZ) |  |
| Other |  |

**Data #:**  Ast\_3

**Data Element:** Aviation Asset type

**Data type:** Alphabetic

**Rules:** Used if Ast\_1 = ‘EMS Helicopter’ OR ‘Aviation Asset’

| Codeset value | Notes |
| --- | --- |
| Augusta |  |
| Bell |  |
| BK 117 |  |
| Cabri |  |
| Airbus/Eurocopter |  |
| Hughes/MD |  |
| Robinson |  |
| Sikorsky |  |
| Squirrel |  |
| Other helicopter |  |
| RPAS/UAS/Drone |  |
| Fixed wing aircraft | Not NZDF or Coastguard Air Patrol |

**Data #:**  Ast\_2

**Data Element:** Surf Life Saving Assets

**Data type:** Alphabetic

**Rule:** Used as a codeset for Ast\_1 = ‘Surf Life Saving Assets’

| Codeset value | Notes |
| --- | --- |
| IRB |  |
| RWC (jetski) |  |

**Data #:**  Ast\_2

**Data Element:** Other Marine Rescue Assets

**Data type:** Alphabetic

**Rule:** Used as a codeset for Ast\_1 = ‘Other Marine Rescue Assets’

| Codeset value | Notes |
| --- | --- |
| Auckland Airport Hovercraft |  |
| Wellington Airport Rescue Boat |  |
| Cape Egmont Sea Rescue Trust |  |
| Harbour Master |  |
| Other | Can this cascade to a short free text field? |

**Data #:**  Ast\_2

**Data Element:** Marine assets

**Data type:** Alphabetic

**Rules:** Used as a codeset for Ast\_1 = ‘Marine Non-Rescue Assets’

| Codeset value | Notes |
| --- | --- |
| Recreational vessel |  |
| Passenger Vessel |  |
| Cargo/Container Vessel |  |
| Fishing/Trawling Vessel |  |
| Other Commercial Vessel |  |
| Other Defence/Police Vessel (non-NZ) |  |

**Data #:**  Ast\_2

**Data Element:** NZDF Assets

**Data type:** Alphabetic

**Rules:** Used as a codeset for Ast\_1 = ‘NZDF Assets’

| Codeset value | Notes |
| --- | --- |
| A109 Helicopter |  |
| C130 Hercules |  |
| NH90 Helicopter |  |
| SH-2G Seasprite Helicopter |  |
| P-3K2 Orion |  |
| Navy Dive/Sonar Support |  |
| Inshore Patrol Vessel |  |
| Offshore Patrol Vessel |  |
| Frigate |  |
| Other Naval Vessel |  |
| Other Air Force Aircraft |  |

**Data #:**  Ast\_2

**Data Element:** Police Assets

**Data type:** Alphabetic

**Rules:** Used as a codeset for Ast\_1 = ‘NZ Police Assets’

| Codeset value | Notes |
| --- | --- |
| APMU Deodar III |  |
| APMU Police 5 |  |
| APMU Police 9 |  |
| WPMU Lady Liz IV |  |
| WPMU Police 8 |  |
| WPMU Police Alpha |  |
| Hamilton Police Boat |  |
| Police Dog |  |
| Police Eagle Helicopter |  |
| Other Police Asset |  |

**Data #:**  SLA\_1

**Data Element:** SLA Partners

**Data type:** Alphabetic

**Rules:** More than one option can be selected

| Codeset value | Notes |
| --- | --- |
| AREC |  |
| Coastguard |  |
| LandSAR |  |
| Surf Life Saving |  |

## Operation data (Ops)

**Data #:**  Ops\_1

**Data Element:** Activity: Air

**Data type:** Alphabetic

**Rules:** Only if Gen\_1 = “Air”

| Codeset value | Notes |
| --- | --- |
| Rotary - Commercial |  |
| Rotary - Private |  |
| Fixed wing - Commercial |  |
| Fixed wing - Private |  |
| Ballooning |  |
| Gliding |  |
| Adventure activities (Paragliding, Hand gliding, etc) |  |

**Data #:**  Ops\_2

**Data Element:** Activity: Land

**Data type:** Alphabetic

**Rules:** Only if Gen\_1 = “Land”

| Codeset value | Notes |
| --- | --- |
| Climber (alpine) |  |
| Day walker |  |
| Tramper | Someone going into the outdoors with the intention of staying overnight |
| Hunter | All types |
| Mountain biker |  |
| Outdoor sports | Includes: running, land-based fishing, caver, canyoning, snow-sports, |
| Off road vehicle user | trail bikers, quad bikers, ATV, 4WD vehicles |
| Work |  |
| Despondent / psychotic | Includes suicide |
| Evader / fugitive | When a SAROP is required for an individual who is evading Police |
| Missing person | Lost or missing person does not fit in any other category |
| Other |  |
| Wanderer | Use the codeset of the ‘land wanderer’ as a subset to this codeset |

**Data #:**  Ops\_3

**Data Element:** Activity: Wanderer

**Data type:** Alphabetic

**Rules:** Only if Gen\_1 = “Land” This table is a subset of the ‘Land’ table

| Codeset value | Notes |
| --- | --- |
| Autism |  |
| Brain injury |  |
| Dementia |  |
| Intellectual disability |  |
| Mental illness |  |
| Other cognitive disability |  |

**Data #:**  Ops\_4

**Data Element:** Activity: Water

**Data type:** Alphabetic

**Rules:** Only if Gen\_1 = “Water”

| Codeset value | Notes |
| --- | --- |
| Recreational Boating | Includes Kayaks, Jet-skis, Inflatables, paddleboards etc. |
| Non-Recreational Boating |  |
| Canyoning |  |
| Diving (including from a vessel) |  |
| Fishing (including from a vessel) | Includes inland waterways fishing |
| Surfing |  |
| Swimming (including from a vessel) |  |
| Towed Activity (including from a vessel) |  |

**Data #:**  Ops\_6

**Data Element:** Cause of incident: Land

**Data type:** Alphabetic

**Rules:** Only if Gen\_11 = “Land”

**Source:** ISRID

| Codeset value | Notes |
| --- | --- |
| Avalanche |  |
| Darkness |  |
| Decision Point |  |
| Despondent/self‐inflicted |  |
| Drowning |  |
| Environment |  |
| Fitness |  |
| Medical |  |
| Overdue |  |
| Poor supervision |  |
| Poor trails |  |
| Poor/inadequate equipment |  |
| Poor/no map |  |
| Runaway |  |
| Separation – Accidental |  |
| Separation – Intentional |  |
| Short cut |  |
| Substance intoxication |  |
| Trauma/injury |  |
| Violence/abduction |  |
| Wandered away |  |

**Data #:**  Ops\_7

**Data Element:** Cause of incident: Vessel

**Data type:** Alphabetic

**Rules:** Only if

| Codeset value | Notes |
| --- | --- |
| Alcohol or drug impairment |  |
| Capsize |  |
| Collision or grounding |  |
| Fire |  |
| Man over-board |  |
| Mechanical or equipment failure |  |
| Medical incident or injury |  |
| Weather or water conditions |  |
| Vessel was not in distress |  |

**Data #:**  Ops\_24

**Data Element:** LPB: Closest linear feature type to Find Position

**Data type:** Alphabetic

**Rules:** Only if Gen\_1 = “Land” AND Gen\_13 = SAROP

| Codeset value | Notes |
| --- | --- |
| Fence line / power lines / pipeline |  |
| River / stream / canal / drainage |  |
| Road |  |
| Ridge line |  |
| Track |  |
| Railway line |  |
| Vegetation / terrain interface | Includes firebreaks, bush line, coastline |
| Other |  |

**Data #:**  Ops\_25

**Data Element:** LPB: Detectability (if lost)

**Data type:** Alphabetic

**Rules:** Only if Gen\_1 = “Land”

| Codeset value | Notes |
| --- | --- |
| Excellent |  |
| Good |  |
| Fair |  |
| Poor |  |

**Data #:**  Ops\_29

**Data Element:** LPB: Lost Strategy

**Data type:** Alphabetic

**Rules:** Only if Gen\_1 = “Land”

**Source:** ISRID

| Codeset value | Notes |
| --- | --- |
| Back tracking | Subject turns around and attempts to retrace steps until they find a location they are once again familiar with. |
| Contouring | Subject roughly follows a contour interval (neither going up or down) to move in a mountainous area. |
| Direction Sampling | Subject with go several different directions to see if they find anything familiar. After sampling several different directions, they will then typically choose what appears to be the best route. |
| Direction Traveling | Subject selects one fixed direction and then continues that direction until they are unlost or find another feature to follow. While the subject might actually be wandering in circles, the goal is to travel in one fixed direction. |
| Downhill | Subject chooses to travel downhill to become unlost. |
| Evasive | Evasive is not a strategy per se for becoming unlost. Instead it is the behaviour while they are lost. The subject is actively trying to avoid searchers or being detected. |
| Folk Wisdom | Subject is following some form of folk wisdom. |
| Followed travel aid | Subject followed some type of linear features. This might have been a trail, game trail, water feature, road, powerline, cut line, railroad, border between open and forested land, etc. |
| Landmark | Subject headed towards a landmark. |
| Panicked | Subject had no strategy and moved around or even ran with no discernible goal. |
| Nothing | Subject gave up, stayed in one place, but took no action to increase chance of being found or survival. |
| Route sampling | Subject located multiple routes and travelled on each route before deciding upon which route to take. |
| Stayed put | Subject decided to stay in one place to wait for rescue. In addition, they took action to increase survivability or detectability. |
| View enhancing/cell phone signal | Subject decided to move upwards either to get a better view in a search for landmarks or in pursuit of a cell phone signal. |
| Other | Subject attempts something not listed. Please specify in comment section. |

**Data #:**  Ops\_33

**Data Element:** Root cause

**Data type:** Alphabetic

**Rules:** Only if Gen\_13 = SAROP

**Source:** Framework for Recreational Safety in New Zealand

| Codeset value | Notes |
| --- | --- |
| Ignorance | Ignorance, disregard or misunderstanding of recreational activity hazards |
| Lack of Information | Lack of information and awareness about the activity, environment and safety implications |
| Lack of ability | Inability to cope once in an uncertain situation or when exposed to recreational hazards |
| Inadequate supervision | Lack of effective monitoring, supervision or surveillance while exposed to recreational activity hazards |
| Inappropriate/failed equipment | Inappropriate equipment selection or equipment failure |
| Not ascertained |  |

**Data #:**  Ops\_34 AND Ops\_35

**Data Element:** Search techniques used

**Data type:** Alphabetic

**Rules:** Only if Gen\_1 = “Land”

Can select more than one option

| Codeset value | Notes |
| --- | --- |
| Area canvas | Looking for witnesses |
| Attraction | Roving patrols, red and blues, gun shots |
| Combined Search Team (dogs and trackers) |  |
| Containment |  |
| Electro-optics / RADAR / LIDAR |  |
| Fixed wing – air observers |  |
| Grid – close contact |  |
| Helicopter – air observers |  |
| Homing signal from distress beacon – aerial DF tracking |  |
| Homing signal from distress beacon – ground DF tracking |  |
| House to house search | Physical house to house searching in suburbia |
| Mobile locate / PCL |  |
| Operational tracking |  |
| Other |  |
| Purposeful wandering |  |
| RPAS (UAV or drone) |  |
| Search Dogs – area | Air scenting |
| Search Dogs – avalanche |  |
| Search dogs – HRD | Cadaver |
| Search Dogs – tracking |  |
| Sound light line |  |
| Sound light sweep |  |
| Sound line |  |
| Sound sweep |  |
| Thermal imaging |  |
| WanderSAR technology – DF tracking | WanderSearch |

**Data #:**  Ops\_36

**Data Element:** Specialised rescue recovery technique

**Data type:** Alphabetic

**Rules:** Only if Gen\_1 = “Land”

More than one option can be seleceted

Can be left blank

| Codeset value | Notes |
| --- | --- |
| Technical rope rescue |  |
| Stretcher carrier |  |
| Long line |  |
| Winching |  |
| Other |  |
| Rescue swimmer |  |

**Data #:**  Ops\_37

**Data Element:** Terrain setting

**Data type:** Alphabetic

**Rules:** Only if Gen\_1 = “Land”

Multiple options can be selected

| Codeset value | Notes |
| --- | --- |
| Cave |  |
| Coastal |  |
| Cliff |  |
| Farmland |  |
| Town/City |  |
| Alpine |  |
| Sub-Alpine |  |
| Bush |  |
| Other |  |

**Data #:**  Ops\_38

**Data Element:** Land Cover

**Data type:** Alphabetic

**Rules:** Only if Gen\_1 = “Land”

Auto-populate using the LCDB dataset available from LandCare Research based on the LatLong

**Data #:**  Ops\_40

**Data Element:** Valid request for SAR

**Data type:** Alphabetic

**Rules:** If a distress beacon was used (Gen\_2) then this option must align with Gen\_6

| Codeset value | Notes |
| --- | --- |
| Valid request – normal SAROP |  |
| False SAROP | Where a SAR operation has been conducted, and then it is discovered that there is no one in distress / potential distress |
| Valid request – questionable need for a SAROP | Use when there is serious doubt about the perceived level of distress a person was in (i.e. they are running late and need to be at work tomorrow) |
| Valid request – inadequate preparation or capability | Use when there is a distress situation, and this has been caused or exacerbated by a serious failing of the persons involved in either their preparation or capability |
| HOAX / malicious SAROP |  |

## Aircraft & Vessel data (Air, Ves)

**Data #:**  Air\_1

**Data Element:** Aircraft type

**Data type:** Alphabetic

**Rules:** Only if Gen\_1 = “Air”

| Codeset value | Notes |
| --- | --- |
| Heavy |  |
| Military |  |
| Other |  |
| Glider |  |
| Helicopter |  |
| Micro-light |  |
| Light |  |
| Balloon |  |

**Data #:**  Ves\_3

**Data Element:** Recreational vessel: Vessel type

**Data type:** Numeric

**Rules:**

**Source:** MNZ & Safer Boating Forum

| Codeset value | Notes |
| --- | --- |
| Kayak |  |
| Dinghy |  |
| Power Boat less than or equal to 6m |  |
| Power Boat over 6m |  |
| Sailboat less than or equal to 6m |  |
| Sailboat over 6m |  |
| Jetski |  |
| Other | SUPs, canoe, windsurfing boards etc |

**Data #:**  Ves\_4

**Data Element:** Non-recreational vessel type

**Data type:** Alphabetic

**Rules:**

| Codeset value | Notes |
| --- | --- |
| Passenger Vessel |  |
| Cargo/Container Vessel |  |
| Fishing/Trawling Vessel |  |
| Other Commercial Vessel |  |
| NZDF Vessel |  |
| Other Defence/Police Vessel (non-NZ) |  |

**Data #:**  Ves\_5

**Data Element:** communications carried?

**Data type:** Alphabetic

**Rules:** Only if Ops\_4 = ‘recreational boating’

| Codeset value | Notes |
| --- | --- |
| No |  |
| Yes |  |
| Not known |  |

**Data #:**  Ves\_6

**Data Element:** Lifejackets available?

**Data type:** Alphabetic

**Rules:** Only if Ops\_4 = ‘recreational boating’

| Codeset value | Notes |
| --- | --- |
| No |  |
| Yes |  |
| Not known |  |

**Data #:**  Ves\_7

**Data Element:** Lifejackets worn?

**Data type:** Alphabetic

**Rules:** Only if Ops\_4 = ‘recreational boating’

| Codeset value | Notes |
| --- | --- |
| No |  |
| Yes |  |
| Not known |  |

**Data #:**  Ves\_8

**Data Element:** Subject preparedness of the recreational vessel

**Data type:** Alphabetic

**Rules:** Only if Ops\_4 = ‘recreational boating’

| Codeset value | Notes |
| --- | --- |
| Excellent |  |
| Good |  |
| Fair |  |
| Poor |  |
| Not known |  |

**Data #:**  Ves\_9

**Data Element:** Subject preparedness of the skipper and crew

**Data type:** Alphabetic

**Rules:** Only if Ops\_4 = ‘recreational boating’

| Codeset value | Notes |
| --- | --- |
| Excellent |  |
| Good |  |
| Fair |  |
| Poor |  |
| Not known |  |

**Data #:**  Ves\_11

**Data Element:** Vessel master profile

**Data type:** Alphabetic

**Rules:** Only if Ops\_4 = ‘recreational boating’

| Codeset value | Notes |
| --- | --- |
| No Qualification |  |
| Day Skipper (or equivalent) |  |
| Boatmaster (or equivalent) |  |
| Other non-commercial qualification |  |
| Claimed experience in years |  |
| Commercial qualification | Try and ascertain the certifying State |
| Not ascertained |  |

**Data #:**  Ves\_17

**Data Element:** Vessel flag

**Data type:** Alphabetic

**Rules:** Only if Ops\_4 = ‘Non-recreational boating’

Use codeset from IMO – may have to obtain this from RCCNZ

## Outcome data (Out)

**Data #:**  Sub\_16

**Data Element:** Fatality: after SAR alerted?

**Data type:** Alphabetic

**Rules:** Only if Out\_6 > 0

| Codeset value | Notes |
| --- | --- |
| Before SAR alerted |  |
| After SAR alerted | If selected, this should generate an alert email to the appropriate manager |
| Unknown |  |

## Subject & Medical data (Sub)

**Data #:**  Sub\_3

**Data Element:** Ethnicity

**Data type:** Alphabetic

**Source:** Ethnicity New Zealand Standard Classification 2005 – Statistics NZ

| Codeset value | Notes |
| --- | --- |
| European |  |
| Maori |  |
| Pacific Peoples |  |
| Asian |  |
| Middle Eastern/Latin American/African |  |
| Other Ethnicity |  |
| Not Known / Not Stated |  |

**Data #:**  Sub\_5

**Data Element:** Residency status

**Data type:** Alphabetic

**Source:** Framework to achieve safer recreation in New Zealand

| Codeset value | Notes |
| --- | --- |
| Local |  |
| Domestic tourist |  |
| Migrant |  |
| International tourist |  |

**Data #:**  Sub\_6

**Data Element:** Nationality

**Data type:** Alphabetic

**Rules:** To use the UN codeset <https://unstats.un.org/unsd/methodology/m49/>

**Data #:**  Sub\_9

**Data Element:** Subject preparedness: clothing, equipment, supplies

**Data type:** Alphabetic

**Rules:**

| Codeset value | Notes |
| --- | --- |
| Excellent |  |
| Good |  |
| Fair |  |
| Poor |  |
| Not known |  |

**Data #:**  Sub\_10

**Data Element:** Subject preparedness: experience, fitness, knowledge

**Data type:** Alphabetic

**Rules:**

| Codeset value | Notes |
| --- | --- |
| Excellent |  |
| Good |  |
| Fair |  |
| Poor |  |
| Not known |  |

**Data #:**  Sub\_13

**Data Element:** Reasons (if injury)

**Data type:** Alphabetic

**Rules:**

| Codeset value | Notes |
| --- | --- |
| Unknown |  |
| Fall or Slip |  |
| Anchor failure |  |
| Other |  |
| Haste |  |
| Inadequate equipment |  |
| Belay failure |  |
| Fatigue |  |
| Misuse of equipment |  |
| Shot |  |

**Data #:**  Sub\_14

**Data Element:** Type of injury or illness

**Data type:** Alphabetic

**Rules:**

| Codeset value | Notes |
| --- | --- |
| Burns |  |
| Circulatory system (laceration) |  |
| Drowning |  |
| Frost bite |  |
| Heart attack / cardiac related |  |
| Hyperthermia (hot) |  |
| Hypoglycaemia / hyperglycaemia | Low or high blood sugar |
| Hypothermia (cold) |  |
| Illness (including sea sickness) |  |
| Internal organs / appendicitis |  |
| Nervous system / stroke |  |
| Not ascertained |  |
| Other |  |
| Poisons / Drugs (including alcohol) |  |
| Respiratory system / asthma |  |
| Shock |  |
| Skeletal system (fractures) |  |
| Soft tissue / sprain |  |

**Data #:**  Sub\_15

**Data Element:** Extent of injury/illness

**Data type:** Alphabetic

**Rules:**

| Codeset value | Notes |
| --- | --- |
| None/Uninjured |  |
| Slightly/First Aid |  |
| Moderate/Doctor |  |
| Severe/Hospitalised |  |
| Deceased |  |
| Unable to Ascertain |  |

**Data #:**  Sub\_16

**Data Element:** Fatality: contributing factor

**Data type:** Alphabetic

**Rules:**

| Codeset value | Notes |
| --- | --- |
| Fall or slip |  |
| Exposure to elements |  |
| Self-inflicted |  |
| Drowning |  |
| Medical event |  |
| Accidental shooting |  |
| Trauma | From an aircraft or car crash, or an avalanche |
| Other | Includes victim of crime |
| Not ascertained |  |

1. Cabinet Minute CAB Min (11) 29/12 [↑](#footnote-ref-1)
2. Smith, AM, *Data Governance Best Practices – the Beginning*, <http://www.eiminstitute.org/library/eimi-archives/volume-1-issue-1-march-2007-edition/data-governance-best-practices-2013-the-beginning> [↑](#footnote-ref-2)
3. U.S. Department of Homeland Security, *International Search & Rescue Incident Database Standards 2014* (prepared by Robert J. Koester). [↑](#footnote-ref-3)