

JML Software Solutions Ltd



Chronicle Skills Extract

Functional Overview

Purpose of Extract

The purpose of the extract is to regularly output the current authorisation overview status of all Officers. This data can be formatted in a way that can either be easily read by other people in Office-type applications such as Microsoft Excel, or could be input into other business process applications such as Human Resources or Duty Management systems.

Extract Configuration

The extract has the following user configuration settings:

1. Time of day for the daily extract
2. Check-box selection of licenced Chronicle modules to extract from
3. Check-box selection of extracting expertises only or expertises plus individual skills
4. Location for the output files

Data to be Extracted

By default the extract will detail all of the relevant expertises that an officer is expected to have. It will be possible to configure the extract to also include the individual skills for each expertise

The following elements of data will be extracted from Chronicle for every officer, for every expertise and, optionally, for every skill in that expertise:

ID	Column Name	Data Type	Optional	Notes
1	Officer ID	Integer	N	
2	Warrant Number	String	N	
3	First Name	String	N	
4	Surname	String	N	
5	Expertise ID	Integer	N	
6	Expertise Name	String	N	
7	Authorised In Expertise	Integer	N	1 = qualified, 0 = unqualified
8	Expertise Expiry Date	Date	Y	Blank if the expertise has expired
9	Skill ID	Integer	Y	Skills that are elements of an expertise (ever attended course, manually online) will not have a Skill ID (blank otherwise)
10	Skill Type	String	N	Enumeration of values see below table for options
11	Skill Name	String	N	
12	Qualified In Skill	Integer	N	1 = qualified, 0 = unqualified
13	Skill Expiry Date	Date	Y	Not shown if the skill has expired
14	Skill Lapse Time	Integer	Y	Certain Skills have no lapse time (ever attended course, manually online)

Proprietary JML Data

The skill-type will be a fixed list of values from the following table:

ID	Skill Type
1	Fitness
2	Medical
3	Weapon
4	Module
5	Unit
6	Immunity
7	Discipline
8	Expertise
9	ManualOnline
10	CourseRefresherAttendance
11	InitialCourse

It is clear that the output report may have duplicated data if you choose to output skills as well as expertises. Look at the following example of a Firearms expertise:

Value	Setting
Expertise Name:	Rifle Operative
Description:	
Course Essential:	Yes
Course/Refresher In Date:	Yes
Course/Ref Lapse Time In Days:	180
Alternative Expertise For Refreshers (If Any):	N/A
Notify On Days Left:	0,1,5,10,20,30
Expertise Ref:	[Firearms] Expertise 9

Extras - Hide

Authorisation Rules:	Rule	Lapse Time (Days)
	Manually Online	N/A
	Ever Attended Course in Rifle Operative	N/A
	Course/Refresher Attendance in Rifle Operative	180
	Basic Firearms	N/A
	UD1.2.4 Facilitates Direction Finding	365
	UE1.1 Deals With All Animals	365
	UD1.2.1 Fires A Snipers Weapon	365
	UD1.2.3 Works Undercover	365
	UD1.2.5 Altitude Capabilities	365
	UD1.2.2 Obscure And Mask	365
	Rifle - Std	180

The skills extract for an officer with this expertise would report under the “Rifle Operative” expertise a single line entry for the state of the “Basic Firearms” expertise – the “Basic Firearms” rule is effectively treated as a single aspect of the “Rifle Operative” expertise. The skills extract would then go on to list each skill of “Basic Firearms”.

If the skills extract was configured to only output expertises then the extract would contain just a single line for each of “Rifle Operative” and “Basic Firearms”, and the link between the two expertises would not be explicit in the extract.

Method of Processing

The generation of the skills extract is a two-stage process.

Step #1 – Generation of Raw Data

Proprietary JML Data

All of the aforementioned data will initially be exported into an “XML Data File”, the format of which will be made available to all customers. This file will be structured in such a way in that it will be human-readable, and could be directly imported in any other application that can read XML files.

Step #2 – Transformation into Customer Report

JML Software will then apply an “XML transformation” to the XML file, which will dynamically change it into a format of the customer’s choosing. JML Software will supply a generic transformation that turns the whole XML file into a Microsoft Excel spreadsheet, as well as supply one additional transformation that is specific to each customer – this additional transformation will also be to a Microsoft Excel spreadsheet file.

JML Software would welcome commissions to generate different format reports, but as we will supply the customer with the XML file format and also two example transformations we believe that many customers will have sufficient IT skills within their organisations to allow them to generate their own transformations.

Example Report Format

The following table shows an example output file, which would be stored as a .CSV file that could be imported into Microsoft Excel¹:

Officer ID	Warrant Number	First Name	Surname	Expertise ID	Expertise Name	Qualified In Expertise	Expertise Expiry Date	Skill ID	Skill Type	Skill Name	Qualified In Skill	Skill Expiry Date	Skill Lapse Time
981	11982	John	Brown	221	ARV	1	07/11/2011		Online	Manually Online	1		
981	11982	John	Brown	221	ARV	1	07/11/2011		InitialCourse	Ever Attended Course in ARV	1		
981	11982	John	Brown	221	ARV	1	07/11/2011	27	Fitness	Loughborough - 7.2	1	07/11/2011	180
981	11982	John	Brown	221	ARV	1	07/11/2011	72	Weapon	H&K MP5 - Std	1	29/11/2011	180
981	11982	John	Brown	221	ARV	1	07/11/2011	887	Unit	UB1.2 Shoots Police Firearm	1	15/04/2012	365
981	11982	John	Brown	221	ARV	1	07/11/2011	45	Expertise	Basic Firearms	1	15/12/2011	
981	11982	John	Brown	45	Basic Firearms	1	15/12/2011		Online	Manually Online	1		
981	11982	John	Brown	45	Basic Firearms	1	15/12/2011		InitialCourse	Ever Attended Course in Basic Firearms	1		
981	11982	John	Brown	45	Basic Firearms	1	15/12/2011	27	Fitness	Loughborough - 5.2	1	07/11/2011	180
981	11982	John	Brown	45	Basic Firearms	1	15/12/2011	7	Medical	Basic Medical	1	03/12/2011	365
981	11982	John	Brown	45	Basic Firearms	1	15/12/2011	435	Unit	UB1.3 Check Weapons	1	01/02/2012	365
984	14973	David	Smith	45	Basic Firearms	0			Online	Manually Online	1		
984	14973	David	Smith	45	Basic Firearms	0			InitialCourse	Ever Attended Course in Basic Firearms	1		
984	14973	David	Smith	45	Basic Firearms	0		27	Fitness	Loughborough - 5.2	0		180
984	14973	David	Smith	45	Basic Firearms	0		7	Medical	Basic Medical	1	03/12/2011	365
984	14973	David	Smith	45	Basic Firearms	0		435	Unit	UB1.3 Check Weapons	1	01/02/2012	365

The table shows that John Brown is qualified in both *ARV* and *Basic Firearms*. The latter expertise appears as a 1-line skill entry on the *ARV* expertise, showing just a simple “qualified” check – the *Basic Firearms* expertise is then broken down further. If any of John’s *Basic Firearms* skills showed as not qualified then that entire expertise would show as not qualified, the *Basic Firearms* skill under *ARV* would show as not qualified and then the *ARV* expertise as a whole would show as not qualified.

An exact picture as to why someone was not qualified in any expertise is explicitly listed – i.e. David Smith has is not qualified in *Basic Firearms* due to missing a fitness test.

¹ Note that all formatting has been applied to this .CSV file after importing it into Microsoft Excel