# **NOD-498 – Call to ARN RSR Process – Returned Data**

Table of Contents

[**NOD-498 – Call to ARN RSR Process – Returned Data** 1](#_Toc86665077)

[1. Introduction 1](#_Toc86665078)

[2. REST Call to ARN to get latest answers to questions it has used when calculating the latest RSR score (so the these can be used when creating an OASys Assessment). 3](#_Toc86665079)

[a) Input Parameters 3](#_Toc86665080)

[b) Output JSON (with examples) 4](#_Toc86665081)

[a) Population of OASys data 9](#_Toc86665082)

[3. New Global Parameters. 15](#_Toc86665083)

[b) Allow ARN RSR Overcloning 15](#_Toc86665084)

[c) ARN RSR Latest Assessment URL 16](#_Toc86665085)

As an OASys user I want to be able to start the freestanding ARN RSR process and to retrieve the latest RSR information, wherever it is held, so that I have a better overall view of the Offender.

## Introduction

The ARN team are developing a ‘standalone’ RSR process (ARN RSR) which will, subject to permissions be called from OASys. The ARN RSR process will comprise a set of ARN screens where the questions or data needed to calculate the RSR scores will be completed. The resulting RSR score will be posted to Delius by ARN RSR.

OASys will be changed to call this process. This document covers the OASys changes only. The JIRA entries for the changes are under NOD-498 , NOD-499, NOD-534 and NOD-518.

NOD-498 covers the changes to retrieve information from ARN RSR for cloning into OASys

NOD-499 covers the call to the ARN RSR Calculator itself

NOD-518 covers the button on the OASys Offender screen and the new function

NOD-534 covers the changes to retrieve information from ARN RSR for display in OASys

Throughout this document, when the term ‘RSR score’ is used, it means

OSP - Indecent Image Reoffending Risk - Percentage

OSP - Indecent Image Reoffending Risk - Band

OSP - Contact Sexual Reoffending Risk – Percentage

OSP - Contact Sexual Reoffending Risk – Band

Likelihood of serious reoffending over the next two years – Percentage

Likelihood of serious reoffending over the next two years – Band

Error Message (if any)

This document has not considered any stub processes for testing or for training environments. This may come out of the ongoing ‘Joint Environments’ discussions.

**Notes on ARN RSR**

The ARN RSR process does allow for incomplete RSR assessment. It may be that there is an incomplete assessment that is the latest and it has a score.

The ARN RSR process only includes the questions or data needed for the RSR calculation and not all the fields on the OASys RSR screen or ROSH screening section 1 etc.

The following functional specification will need to be updated

06 Create OASys Assessment Functional Specification

## REST Call to ARN to get latest answers to questions it has used when calculating the latest RSR score (so the these can be used when creating an OASys Assessment).

**OASys Spec - 06 Create OASys Assessment Functional Specification**

This call will return a set of answers from ARN RSR. These answers will represent the ‘Best’ RSR score that ARN has which may be from a incomplete Assessment or from a later Completed assessment provided it has a score.

OASys uses the data returned from this call to populate an assessment

It is crucial to note that

1. Where OASYS is cloning from a previous OASys assessment, it will look for any ARN RSR assessment to pull through to the OASys assessment and overwrite any relevant fields with values from ARN (we are calling this ‘overcloning’).
2. Where OASYS is NOT cloning from a previous OASys assessment it will still attempt to pull through answers from an ARN RSR assessment and create the relevant answers on OASys.

There is a global parameter (Allow ARN RSR Overcloning) which, If set to ‘N’, this will prevent any cloning or ‘overcloning’ from ARN RSR) and will thus not implement any of the processing in this NOD.

OASys should continue to run the RSR Calculation on any newly created assessment whether or not it cloned or overcloned ARN RSR values.

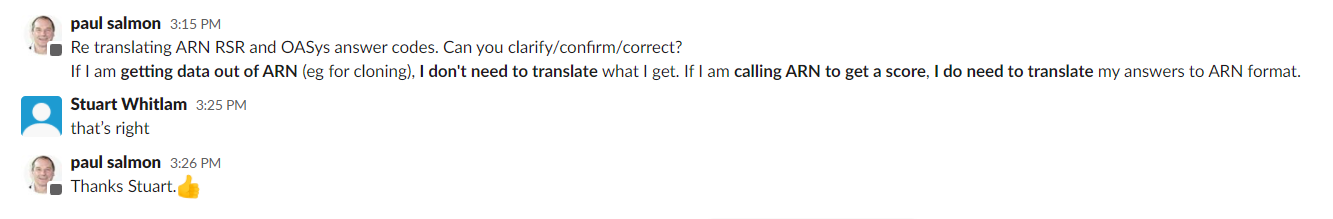
## Input Parameters

GET /subject/X259951/assessments/episodes/RSR/latest

"crn: eg "X259951" – offender.cms\_prob\_number

## Output JSON (with examples)

The date returned represents the single latest and best ARN RSR assessment. There is no translation of answers required - They will be in OASys format



At the time of writing, this API has been written by the ARN team and will return an ARN RSR assessment (if it has one). Their processing will change, and ARN are creating an entry in JIRA to get it to return the ‘Best’ ARN Assessment that it has. This means it will return a later incomplete assessment if that assessment has an RSR score.

The plan is for OASys to receive the ‘best’ assessment there is in ARN. The ARN API will do the following checking as below…

If the latest assessment in ARN is incomplete and that has an RSR score, then that is the best and is returned.

If the latest assessment in ARN is complete, then that is the best and is returned

An ARN has an incomplete assessment that has no RSR score it is never the best (or at least it is never good enough) and is never returned

{

"episodeUuid": "90f2b674-ae1c-488d-8b85-0251708ef6b6",

"assessmentUuid": "6f3f2c4a-38ac-49ce-b790-70bc170fe553",

"created": "2021-01-01T08:11:53.177109",

"ended": "2021-09-16T16:08:39.298419",

"answers": {

"episodeAnswers": [

{

"questionCode": "9.2",

"answer": "2"

},

{

"questionCode": "R1.2.7.2\_V2",

"answer": "YES"

},

{

"questionCode": "9.1",

"answer": "2"

},

{

"questionCode": "1.32",

"answer": "10"

},

{

"questionCode": "R1.2.12.2\_V2",

"answer": "YES"

},

{

"questionCode": "R1.2.2.2\_V2",

"answer": "YES"

},

{

"questionCode": "11.2",

"answer": "2"

},

{

"questionCode": "1.30",

"answer": "YES"

},

{

"questionCode": "1.39",

"answer": "YES"

},

{

"questionCode": "1.8.2",

"answer": "01/01/2021"

},

{

"questionCode": "R1.2.9.2\_V2",

"answer": "YES"

},

{

"questionCode": "1.38",

"answer": "01/01/2025"

},

{

"questionCode": "11.4",

"answer": "2"

},

{

"questionCode": "4.2",

"answer": "0"

},

{

"questionCode": "R1.2.13.1\_V2",

"answer": "YES"

},

{

"questionCode": "1.41",

"answer": "YES"

},

{

"questionCode": "12.1",

"answer": "2"

},

{

"questionCode": "3.4",

"answer": "1"

},

{

"questionCode": "1.40",

"answer": "2"

},

{

"questionCode": "1.29",

"answer": "01/01/2021"

},

{

"questionCode": "R1.2.1.2\_V2",

"answer": "YES"

},

{

"questionCode": "R1.2.13.2\_V2",

"answer": "YES"

},

{

"questionCode": "R1.2.8.2\_V2",

"answer": "YES"

},

{

"questionCode": "R1.2.10.1\_V2",

"answer": "YES"

},

{

"questionCode": "6.7",

"answer": "NO"

},

{

"questionCode": "R1.2.10.2\_V2",

"answer": "YES"

},

{

"questionCode": "1.34",

"answer": "5"

},

{

"questionCode": "1.35",

"answer": "3"

},

{

"questionCode": "R1.2.6.2\_V2",

"answer": "YES"

},

{

"questionCode": "1.42",

"answer": "YES"

},

{

"questionCode": "1.33",

"answer": "01/01/2021"

},

{

"questionCode": "6.4",

"answer": "2"

},

{

"questionCode": "1.37",

"answer": "2"

},

{

"questionCode": "1.36",

"answer": "2"

}

]

}

}

If for any reason the call to the API fails issue an elog entry and do not do any ARN RSR Cloning or overcloning.

If there is no data to be returned, there will be an empty list of questions and answers.

## Population of OASys data

OASys will check that the date of the ARN RSR assessment returned (using the ‘ended’ parameter) is later that the assessment being cloned from in OASys (latest of oasys\_set.date\_completed, oasys\_set.assessor\_signed\_date, oasys\_set.initiation\_date). If the returned data is not later than the assessment being cloned from, do not do any cloning or overcloning from the ARN RSR data.

OASys will check that the date of the ARN RSR assessment returned (using the ‘ended’ parameter) is not outside the date window. If the returned data is older than the nn months do not do any cloning or overcloning from the ARN RSR data - Where nn is defined by the System Parameter CLONE\_LIMIT\_MONTHS’ (currently set to 12).

For any new OASys assessment whether or not we are doing any OASys to OASys cloning, and for any OASys assessment type (including Layer 3), we need to see if we can clone the answers that were supplied in an ARN RSR assessment. We do not ‘overclone’ a value in OASys if the value from ARN RSR is null.

For each non null answer provided and, populate the appropriate oasys\_answer or oasys\_question in OASys.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **ARN Answer** | **Question** | **OASys Section** | **OASys Question** | **Action** | **OASys field** |
| N/A | Are you completing a Risk assessment? | RSR | RA | set to 'YES' (not applicable for Layer 3 assessments) | oasys\_answer.ref\_anser\_code |
| "questionCode": "1.29", | 1.29 Date of current conviction | 1 | 1.29 |  | oasys\_question.free\_format\_answer |
| "questionCode": "1.30", | 1.30 Have they ever committed a sexual or sexually motivated offence? | 1 | 1.30 |  | oasys\_answer.ref\_anser\_code |
| "questionCode": "1.32", | 1.32 Total number of sanctions for all offences | 1 | 1.32 |  | oasys\_question.free\_format\_answer |
| "questionCode": "1.33", | 1.33 Date of most recent sexual/sexually motivated offence | 1 | 1.33 | if ARN 1.33 not null, ' set 1.30 = 'YES' | oasys\_question.free\_format\_answer |
| "questionCode": "1.34", | 1.34 Number of previous/current sanctions involving contact adult sexual/sexually motivated offences | 1 | 1.34 | if ARN 1.34 not null,' set 1.30 = 'YES' | oasys\_question.free\_format\_answer |
| "questionCode": "1.35", | 1.35 Number of previous/current sanctions involving contact child sexual/sexually motivated offences | 1 | 1.35 | if ARN 1.35 not null,' set 1.30 = 'YES' | oasys\_question.free\_format\_answer |
| "questionCode": "1.36", | 1.36 Number of previous/current sanctions involving indecent child image sexual/sexually motivated offences | 1 | 1.36 | if ARN 1.36 not null' set 1.30 = 'YES' | oasys\_question.free\_format\_answer |
| "questionCode": "1.37", | 1.37 Number of previous/current sanctions involving other non-contact sexual/sexually motivated offences | 1 | 1.37 | if ARN 1.37 not null, set 1.30 = 'YES' | oasys\_question.free\_format\_answer |
| "questionCode": "1.38", | 1.38 Date of commencement of community sentence or earliest possible release from custody | 1 | 1.38 |  | oasys\_question.free\_format\_answer |
| "questionCode": "1.39", | Have you completed an Offender interview? | RSR | 1.39 |  | oasys\_answer.ref\_anser\_code  Not applicable for layer 3 assessments |
| "questionCode": "1.40", | 1.40 How many of the total number of sanctions involved violent offences? | 1 | 1.40 |  | oasys\_question.free\_format\_answer |
| "questionCode": "1.41", | 1.41 Does the current offence have a sexual motivation? | 1 | 1.41 | if ARN 1.41 is not null, set 1.30 = 'YES' | oasys\_answer.ref\_anser\_code |
| "questionCode": "1.42", | 1.42 Does the current offence involve a victim who was a stranger? | 1 | 1.42 | if ARN 1.42 is not null, set 1.41 = 'YES' | oasys\_answer.ref\_anser\_code |
| "questionCode": "1.8.2", | Date of first sanction | 1 | 1.8.2 | if not null set 1.8 to 1.8.2 + oasys\_set.date\_of\_birth (as a whole number) | oasys\_question.free\_format\_answer |
| "questionCode": "3.4", | 3.4 Is the offender living in suitable accommodation? | 3 | 3.4 | if ARN 3.4 not null, set 1.39 = 'YES'  (not applicable for layer 3) | oasys\_answer.ref\_anser\_code |
| "questionCode": "4.2", | 4.2 Is the person unemployed, or will be unemployed on release? | 4 | 4.2 | if ARN 4.2 not null,' set 1.39 = 'YES'  (not applicable for layer 3) | oasys\_answer.ref\_anser\_code |
| "questionCode": "6.4", | 6.4 What is the person’s current relationship with partner? | 6 | 6.4 | if ARN 6.4 not null, set 1.39 = 'YES'  (not applicable for layer 3) | oasys\_answer.ref\_anser\_code |
| "questionCode": "6.7", | 6.7 Is there evidence of current/previous partner abuse | 6 | 6.7  6.7.2.1da | If ARN 6.7 not null, set 1.39 = 'YES'  (not applicable for layer 3)  and set 6.7 = 'YES' and 6.7.2.1da = 'YES' | oasys\_answer.ref\_anser\_code  oasys\_answer.ref\_anser\_code |
| "questionCode": "9.1", | 9.1 Is the person’s current use of alcohol a problem | 9 | 9.1 | if ARN 9.1 not null 'YES' set 1.39 = 'YES'  (not applicable for layer 3) | oasys\_answer.ref\_anser\_code |
| "questionCode": "9.2", | 9.2 Is there evidence of binge drinking or excessive use of alcohol in last 6 months? | 9 | 9.2 | ifARN 9.2 not null, set 1.39 = 'YES'  (not applicable for layer 3) | oasys\_answer.ref\_anser\_code |
| "questionCode": "11.2", | 11.2 Is impulsivity a problem for the offender? | 11 | 11.2 | If ARN 11.2 not null, set 1.39 = 'YES'  (not applicable for layer 3) | oasys\_answer.ref\_anser\_code |
| "questionCode": "11.4", | 11.4 Is temper control a problem for the offender? | 11 | 11.4 | if ARN 11.4 not null, set 1.39 = 'YES'  (not applicable for layer 3) | oasys\_answer.ref\_anser\_code |
| "questionCode": "12.1", | 12.1 Does the offender have pro-criminal attitudes? | 12 | 12.1 | if ARN 12.1 not null set 1.39 = 'YES'  (not applicable for layer 3) | oasys\_answer.ref\_anser\_code |
| "questionCode": "R1.2.1.2\_V2", | Previous - Murder / attempted murder / threat or conspiracy to murder / manslaughter | ROSH | R1.2.1.2\_V2 |  | oasys\_answer.ref\_anser\_code |
| "questionCode": "R1.2.2.2\_V2", | Previous - Wounding / GBH (Sections 18/20 Offences Against the Person Act 1861) | ROSH | R1.2.2.2\_V2 |  | oasys\_answer.ref\_anser\_code |
| "questionCode": "R1.2.6.2\_V2", | Previous - Aggravated burglary | ROSH | R1.2.6.2\_V2 |  | oasys\_answer.ref\_anser\_code |
| "questionCode": "R1.2.7.2\_V2", | Previous - Arson | ROSH | R1.2.7.2\_V2 |  | oasys\_answer.ref\_anser\_code |
| "questionCode": "R1.2.8.2\_V2", | Previous - Criminal damage with the intent to endanger life | ROSH | R1.2.8.2\_V2 |  | oasys\_answer.ref\_anser\_code |
| "questionCode": "R1.2.9.2\_V2", | Previous - Kidnapping / false imprisonment | ROSH | R1.2.9.2\_V2 |  | oasys\_answer.ref\_anser\_code |
| "questionCode": "R1.2.10.2\_V2", | Previous - Possession of a firearm with intent to endanger life or resist arrest | ROSH | R1.2.10.2\_V2 |  | oasys\_answer.ref\_anser\_code |
| "questionCode": "R1.2.12.2\_V2", | Previous - Robbery | ROSH | R1.2.12.2\_V2 |  | oasys\_answer.ref\_anser\_code |
| "questionCode": "R1.2.13.2\_V2", | Previous - Any offence involving possession and / or use of weapons | ROSH | R1.2.13.2\_V2 |  | oasys\_answer.ref\_anser\_code |
| "questionCode": "R1.2.10.1\_V2", | Current - Possession of a firearm with intent to endanger life or resist arrest | ROSH | R1.2.10.1\_V2 |  | oasys\_answer.ref\_anser\_code |
| "questionCode": "R1.2.13.1\_V2", | Current - Any offence involving possession and / or use of weapons | ROSH | R1.2.13.1\_V2 |  | oasys\_answer.ref\_anser\_code |

## New Global Parameters.

## Allow ARN RSR Overcloning

This new Global Parameter allows us to switch on the ARN RSR Overcloning at a time of our choosing, or to switch off at any time and for any reason. This parameter cannot be viewed or maintained on the global profile screen.

‘ALLOW\_ARN\_RSR\_OVERCLONING’ – Initially set to ‘N’

Can be ‘Y’ or ‘N’

| **Configuration Item** | **Default** | **Description** |
| --- | --- | --- |
| Allow ARN RSR Overcloning | N | Allow the use or suspension of the Overcloning of OASys assessment from ARN RSR. |

## ARN RSR Latest Assessment URL

This new Global Parameter holds the URL needed for calling the ARN RSR Latest Assessment API.

This parameter cannot be viewed or maintained on the global profile screen.

‘ARN\_RSR\_LATEST\_ASSESSMENT\_URL’ – None

| **Configuration Item** | **Default** | **Description** |
| --- | --- | --- |
| ARN RSR Latest Assessment URL | None | URL to access the ARN RSR Latest Assessment API |

**VERSION HISTORY**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Date** | **Version** | **Nature of Change** | **Sections Affected** | **Author** |
| Various | * 1. 0.7 | Work in Progress | All | Paul Salmon |
| 29/10/2021 | 0.8 | Reviewed by Claire Adcock | All | Paul Salmon |
| 01/11/2021 | 0.9 | Following Review by Claire Adcock | All | Paul Salmon |
|  |  |  |  |  |