Gold Output Testing Results

# Introduction

This document presents the detailed test results for the gold output of the ARIA JOH data migration pipeline.   
 The tests cover various aspects such as data presence, format, schema validation, transformation step verification, and performance metrics.

# Data Presence and Format

The following tests were performed to ensure the presence and format of the gold output files:

## Output Presence

JSON file record count: 2095

A360 file record count: 6285

HTML file record count: 2652128

## Data Types

The following tests were performed to validate the data types of the JSON and A360 files:

### JSON Schema

JSON schema test passed.

### A360 Schema

A360 schema test passed.

# Transformation Step Verification

The following tests were performed to verify the transformation steps:

## M1 - bronze\_adjudicator\_et\_hc\_dnur

M1 transformation step failed.

Columns in expected but not in actual: ['AdjudicatorId', 'ContactTelephone', 'AvailableAtShortNotice']

Expected Transformation Rule:

The bronze\_adjudicator\_et\_hc\_dnur table should contain the columns AdjudicatorId, Surname, Forenames, Title, DateOfBirth, CorrespondenceAddress, ContactTelephone, ContactDetails, AvailableAtShortNotice, DesignatedCentre, EmploymentTerms, FullTime, IdentityNumber, DateOfRetirement, ContractEndDate, ContractRenewalDate, DoNotUse, DoNotUseReason, JudicialStatus, Address1, Address2, Address3, Address4, Address5, Postcode, Telephone, Mobile, Email, BusinessAddress1, BusinessAddress2, BusinessAddress3,BusinessAddress4, BusinessAddress5, BusinessPostcode, BusinessTelephone, BusinessFax,BusinessEmail, JudicialInstructions, JudicialInstructionsDate, and Notes.

Actual columns:

SurnameTitleForenamesDateOfBirthCorrespondenceAddressTelephoneContactDetailsDesignatedCentreEmploymentTermFullTimeIdentityNumberDateOfRetirementContractEndDateContractRenewalDateDoNotUseReasonJudicialStatusAddress1Address2Address3Address4Address5PostcodeMobileEmailBusinessAddress1BusinessAddress2BusinessAddress3BusinessAddress4BusinessAddress5BusinessPostcodeBusinessTelephoneBusinessFaxBusinessEmailJudicialInstructionsJudicialInstructionsDateNotesOtherCentresRolesHistory

## M2 - bronze\_johistory\_users

M2 transformation step failed.

Columns in expected but not in actual: ['AdjudicatorId']

Expected Transformation Rule:

The bronze\_johistory\_users table should contain the columns AdjudicatorId, HistDate, HistType, UserName, and Comment.

Actual columns:

HistDateHistTypeUserNameComment

## M3 - bronze\_othercentre\_hearingcentre

M3 transformation step failed.

Columns in expected but not in actual: ['AdjudicatorId']

Expected Transformation Rule:

The bronze\_othercentre\_hearingcentre table should contain the columns AdjudicatorId and OtherCentres.

Actual columns:

OtherCentres

## M4 - bronze\_adjudicator\_role

M4 transformation step failed.

Columns in expected but not in actual: ['AdjudicatorId']

Expected Transformation Rule:

The bronze\_adjudicator\_role table should contain the columns AdjudicatorId, Role, DateOfAppointment, and EndDateOfAppointment.

Actual columns:

RoleDateOfAppointmentEndDateOfAppointment

## Silver Table - silver\_adjudicator\_details

Silver table transformation failed.

Expected Transformation Rule:

The silver\_adjudicator\_details table should contain the column AdjudicatorId.

Actual columns:

JudicialStatus

# Performance Metrics

Todo: Add performance metrics such as execution time, resource utilization, and scalability here.

# Conclusion

Based on the test results, the gold output of the data migration pipeline does not meet all the expected criteria.   
 Some tests have failed. Please refer to the detailed test results for more information on the failures and the expected transformation rules.