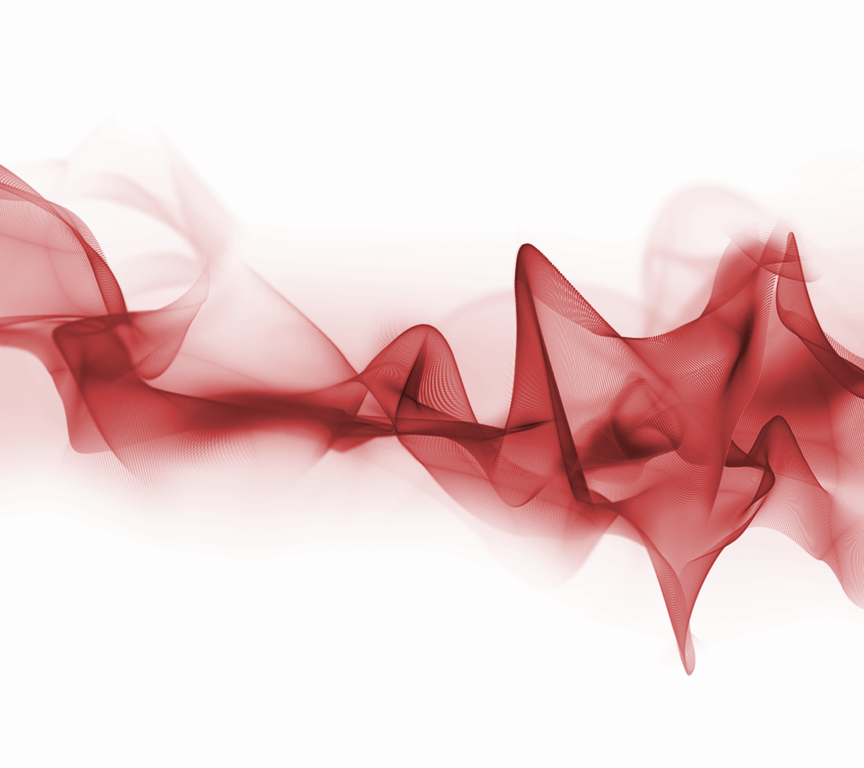
Data Quality Technical Development

Pre-Cursory Materials to Develop a Validation Outcomes Capture System

VOCS (Validation Tool) Specification



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# Table of Contents

[Table of Contents 3](#_Toc27735277)

[Data Quality Strategy - Introduction 4](#_Toc27735278)

[Data Quality Strategy Series 4](#_Toc27735279)

[A little bit about Perspicacity Ltd 4](#_Toc27735280)

[Overview 5](#_Toc27735281)

[Specification 5](#_Toc27735282)

# Data Quality Strategy - Introduction

## Data Quality Strategy Series

This document is part of an open source series of documents to facilitate the establishment of a Data Quality strategy and function within an organisation. The full open source library can be found at <https://github.com/perspicacity-ltd/DataQualityReporting>

* The series presents a set of documents as a starter for ten
* It can be used by organisations starting on their data quality journey and those who already have a data quality function
* It contains the following components of a data quality strategy:
  + Strategy & Exec Summary
  + Policy & Standard Operating Procedures
  + Technical Specification (including link to reporting suite at <https://github.com/perspicacity-ltd/DataQualityReporting>)
  + Highlight Report Template
  + Training Materials
  + DQ KiteMark Images

## A little bit about Perspicacity Ltd

Perspicacity provides decision support consultancy, coaching, & development to the NHS. They are passionate about reducing the cost of software development to the NHS and aspire to create an active community of NHS and commercial organisations. They all share a common goal of improving the quality and efficiency of patient care through better, and more informed, decision making.

Open source helps the healthcare community to do this by sharing software development, learning from each other, and help software meet the needs of every organisation without being constrained to a single solution or paying for the same piece of work over and again across different organisations.

Although these Data Quality open source products are suitable for any organisation, healthcare or not, they are here as a result of wanting to freely share Perspicacity's collective products and ideas across the NHS and to widen the benefit of good, but usually locally isolated, projects further.

Perspicacity's open source offerings can be found at <https://github.com/perspicacity-ltd>

If you'd like to find out more, please contact Matthew Bishop on 07545 878906 or matthew.bishop@perspicacityltd.co.uk

# Overview

Wherever a DQ measure can only highlight a potential issue, for example a record that might be incorrect because the comments field seems inconsistent with another data item, then the outcome of validation effort needs to be recorded (because the error cannot be continuously tested).

A system to capture these validation outcomes will be required in order to facilitate the effective management of event-driven and validation based measures.

# Specification

This is currently far from an exhaustive specification, but does capture the basic requirements of the output dataset expected from a validation outcome capture system.

Such a system will need to be able to capture the following information:

* + • the unique identifier of the data item
  + • the unique identifier of the DQ measure
  + • the user who checked the DQ item
  + • the time the DQ item was checked
  + • the outcome of the DQ check
  + • the user(s) responsible for the error
  + • the time the error occurred