**DQWG14-07G**

## Paper for Consideration by Data Quality Working Group

## S-58 Standard for Data Validation

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| ***Submitted by:*** | DQWG Chair on behalf of ENCWG Vice-Chair |
| ***Executive Summary:*** | Request from ENCWG Vice Chair to advice on S-58/S-101 Validation. |
| ***Related Documents:*** | S58\_S101\_Validation Checks\_S100WG\_Input\_notes\_DQWG\_Chair, S-127-1.0.0 App\_E Validation Checks |
| ***Related Projects:*** | DQWG14-07A |

## Introduction / Background

HSSC Chair reported at C-2 that the development of a Minimum Standard for Data Validation will be completed in 2020. This is a joint effort between DQWG and ENCWG.

## Analysis/Discussion

DQWG Chair attended the S101PT-3 (19-21 June, 2018, Monaco) and discussed with ENCWG Vice Chair the development of S-101 Validation checks. The current S-58 Validation checks are the basis but need some adjustment, in line with the proposed Data Quality measures as provided in S-97. S-101 Product Specification has new S-101 features, attributes and relations that did not exist in S-57.

The validation checks provided with S-127 version 1.0.0 are a good example of a possible layout for the S-101 Validation Standard. (ref S-127-1.0.0 App\_E Validation Checks)

By email correspondence a first attempt to classify the current S-58 Validation checks in line with S-97 part C – Data Quality recommendation has been provided in the excel file: S58\_S101\_Validation Checks\_S100WG\_Input\_notes\_DQWG\_Chair.

## Conclusions

Any conclusions that may be drawn from the analysis/discussion.

## Recommendations

DQWG are invited to discuss and share their experiences in using S-58 and plan the required actions to develop a Minimum Standard for Data Validation to be delivered to HSSC in 2020.

## Justification and Impacts

Data validation is an absolute requirement for acceptance by end user of S-101 and any additional S-1xx based information product.

## Action Required of Data Quality Working Group

The DQWG is invited to:

a. note this report;

b. take the appropriate actions.