



iPCA Checker configurations and coverage V14.09 onwards

iPCA

Checker configurations and check coverage

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Imprint

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Table of Contents

1	INTRODUCTION	7
1.1	General.....	7
1.2	Basis of check routine	7
2	SUPPORT	8
3	NEW FUNCTIONS	9
4	CHECK CONFIGURATIONS	12
4.1	General.....	12
4.1.1	List of existing check configurations.....	12
4.1.2	Actions	13
4.1.2.1	View.....	14
4.1.2.2	Edit.....	14
4.1.2.3	Copy.....	14
4.1.2.4	Delete.....	14
4.2	Composition, structure and set up of check configurations	15
4.2.1	“SCM/USC Inbox Check” check configurations.....	15
4.2.1.1	Check groups.....	15
4.2.1.2	Check categories	17
4.2.1.3	Check ranking.....	18
4.2.1.4	Actions	19
4.2.1.4.1	Parameters.....	19
4.2.1.4.1.1	Recipient data.....	21
4.2.1.4.1.1.1	List of own organisation units.....	21
4.2.1.4.1.1.2	Details of recipient data check for selected organization unit	23
4.2.1.4.1.1.3	Actions	24
4.2.2	“IMDS Recommendations” check configuration	25
4.2.2.1	Check group	25
4.2.2.2	Check categories	25
4.2.2.3	Actions	25
4.2.3	“IHS Quality Checker (relevance for upload)” check configuration	26
4.2.3.1	Check groups.....	26
4.2.3.2	Check categories	27



4.2.3.3	Actions	28
4.2.3.3.1	Parameters.....	29
4.2.4	“Compliance Checks (used for Car/Product Models)” check configuration.....	30
4.2.4.1	Check groups.....	30
4.2.4.2	Check categories	30
4.2.4.3	Actions	31
4.2.5	“SEP Compliance Checks” check configuration	31
4.2.5.1	Check group	31
4.2.5.2	Check categories	31
4.2.5.3	Actions	32
4.2.6	“Compliance Checks (used for Virtual Product Model)” check configuration.....	32
4.2.6.1	Check groups.....	33
4.2.6.2	Check categories	33
4.2.6.3	Actions	33
5	CHECKS IN USE	35
6	DISPLAY OF CHECK RESULTS.....	37
6.1	General.....	37
6.2	Working with the check results panel.....	38
6.2.1	Controls.....	38
6.2.2	Check results.....	38
6.2.3	Actions	38
7	QUALITY CHECK	40
7.1	Performing the quality check	40
7.2	Check coverage	41
8	RECOMMENDATION CHECK	42
8.1	Performing the recommendation check.....	42
8.2	Check coverage	42
9	CHECK CATEGORIES	43
9.1.1	List of check categories	43
9.1.2	Details of check category	44
9.1.3	Change log table	44
9.1.4	Actions	45



9.1.4.1	New	45
9.1.4.2	Edit	46
9.1.4.3	Delete	46
10	AVAILABLE CHECKS	47
10.1	IMDS and IHS release checks	47
10.1.1	IMDS standard checks	48
10.1.1.1	Completeness checks	48
10.1.1.2	Polymeric parts marking checks	49
10.1.1.3	Amounts and weights checks	49
10.1.1.4	Material/Basic substance checks	50
10.1.1.5	Recyclate information checks	51
10.1.1.6	Status checks	52
10.1.1.7	Recipient data checks	54
10.1.1.7.1	General	54
10.1.1.7.2	Supplier number format checks	54
10.1.1.7.3	Additional fields checks	56
10.1.1.7.4	Additional data for OEMs checks	58
10.1.1.8	Application codes checks	58
10.1.2	AQ warnings for referenced supplier's MDS checks	59
10.1.3	Quality checks	60
10.1.4	Jama/Japia checks (optional)	64
10.1.5	Recommendation checks	64
10.1.5.1	Recommendation 001 - Tree structure checks	64
10.1.5.2	Recommendation 001 - Range checks	65
10.1.5.3	Recommendation 001 - Material checks	67
10.1.5.4	Recommendation 001 - Basic substance checks	68
10.1.5.5	Recommendation 001 - Change management checks	70
10.1.5.6	Recommendation 010 – Material composition checks	73
10.1.5.7	Additional recommendation checks	73
10.1.6	Recipient data check	73
10.1.7	Application checks	74
10.1.8	CSI checks	74
10.1.9	Miscellaneous	75



iPoint

iPCA Checker configurations and coverage V14.09 onwards

11	TABLE OF TABLES	76
12	TABLE OF FIGURES	77
13	CHANGE HISTORY	78

1 Introduction

1.1 General

This document describes the way and coverage of the check routines available in the iPoint iPCA products.

Information about the usage of the products is available in the corresponding documents.

Parts of this documentation are describing optional function. These optional functions are marked as “optional” in the documentation.

Some functions are only available with specific rights owned by the login user. If a required functionality is not available for you, please contact your internal administrator.

1.2 Basis of check routine

Since IMDS Release 4.0 a checker is available also in the online system IMDS available.

This IMDS online checker is using checks that differ from those documented by the related recommendations.

The iPCA Recommendation checker is using the rules specified by the recommendations. For this reason, it may happen that the result from the iPCA Recommendation checker may vary from the result from the IMDS online checker!

2 Support

For any questions about the application, please contact your in-house administrator.

This administrator will check and answer your enquiry.

If your in-house administrator cannot solve the problem, he will contact iPoint-systems gmbh to get a solution for it.

It is important that only the in-house administrator contacts iPoint-systems gmbh as this is the only way to get a fast response and to avoid doing the work twice.



3 New functions

Version	Description
14.00	<p>Added checks</p> <ul style="list-style-type: none">• Received MDS set as legacy spare part• iMDS Standard Checks<ul style="list-style-type: none">○ Recyclate range check○ Recyclate question "not yet answered" check <p>Updated checks</p> <ul style="list-style-type: none">• iMDS Standard Checks<ul style="list-style-type: none">○ Application codes check• Material name contains Symbol (Mat.classific. 5.1.x, 5.2, 5.3)• Trade Name check - Rule 4.4.2.B• Copied nodes (name with "Copy_" or "Kopie_")• Recipient data (added support of legacy spare part) <p>Removed checks</p> <ul style="list-style-type: none">• Change Management: Part No./IMDS-ID check (only accepted MDS) - Rule 3.2.2.A/B• Change Management: Part No./IMDS-ID check (only for own MDS: check of all MDS) - Rule 3.2.2.A/B• Change Management
13.24	<p>Changed behavior of below checks – now in case the child materials defined in a range in the complex material contains wildcard substance(s) and/or confidential substance, the average portion of the child material is taken into the formula for calculation of amount of joker in the complex material</p> <ul style="list-style-type: none">• Sum of percentages for Wild Cards - Rule 4.5.2.C/4.5.3.E/5.1.A• Sum of percentages for Confidential Substances - Rule 4.5.2.C/4.5.3.E/5.1.A• Sum of percentages for Wild Cards + Confidential Substances - Rule 4.5.2.C/4.5.3.E/5.1.A
13.22	Added check “Trade Name check - Rule 4.4.2.B”
13.03	Added check “Region information” (optional)
13.00	<p>Added checks</p> <ul style="list-style-type: none">• Disable send to recipient• Disable propose to recipient• Material is containing deleted or hidden basic substance
12.00	<p>Check “Preliminary MDS flag set within, but not for parent node” moved from quality checks to iMDS standard checks and raises ERROR instead of WARNING (implementation according to IMDS R11)</p> <p>Added check “Preliminary MDS flag set within, but not for parent node (released MDS)” (implementation according to IMDS R11)</p>
11.11	SC90 type 1 check updated according to the algorithm in the IMDS online system



Version	Description
11.00	<p>Added checks</p> <ul style="list-style-type: none">• Material with only one basic substance - Guideline 4.4.1.a• Received MDS in handshake mode <p>Updated checks</p> <ul style="list-style-type: none">• Preliminary MDS flag set within, but not for parent node (renamed from 'Development Sample set, but not in parent') – check name and check message• Received MDS set as preliminary MDS (renamed from 'Received MDS with Development Sample') – check name and check message• Wild card "not yet specified" used in non-preliminary MDS - Rule 4.5.3.H (renamed from 'Wild card "not yet specified" not in dev.samp.- Rule 4.5.3.H') – check name and check message• Material with only one basic substance (all classifications) (renamed from 'Material with only one basic substance')• Following checks were updated based on the change for polymeric parts marking checks in IMDS online system:<ul style="list-style-type: none">○ Polymer Marking not answered○ Polymer Marking answered with no○ Polymer marking answered with N/A○ Polymeric parts Marking <p>Removed checks</p> <ul style="list-style-type: none">• Recipient specific tolerance (part of IMDS standard checks)• Semicomponent submission to Renault (part of IMDS standard checks)• Confirmation that wildcards are not used instead of GADSL substance(s) (Nissan specific check)• Tolerance for part (part of quality checks) including the parameter• Ford RSMS weight tolerance (part of quality check)
10.03	New quality check Ford RSMS Weight Tolerance
10.00	<p>GADSL/REACH-SVHC substances which are flagged as confidential must not be further used in all material MDS</p> <p>Own deleted MDS and own materials which contain deleted substances must not be referenced any more</p> <p>Basic substances marked as confidential must have a valid CAS or EINECS number</p> <p>For own materials, it must be confirmed that all GADSL substances are declared Compliance of Recommendation 01 rule 3.2.2.A when sending or forwarding a MDS ("New version rule")</p> <p>Additional data for OEM recipients will also be checked</p>
9.00	<p>Quality checks Specific weight for semi components and Development sample report within received MDS</p> <p>Recommendation check Change management: adapted texts with more information</p> <p>AQ (optional for USC) and CSI checks for the Q-Checker</p>



Version	Description
8.12.009 8.03.12 8.01.008 8.06.13	2 new checks because of AI changes of IMDS Rel. 7.2
8.05.008	USC Quality Check Polymeric parts marking
7.13	Dialog shown if Q-Checker launched for huge MDS
7.10	Compliance configuration
7.5	Quality check Material name without symbol information Quality check Name with Copy_/Kopie_ OEM acceptance criteria and several OEM specific checks
7.1	Material Substance Check SC90
7.0	Check of basic substances for usage of process chemicals > 0,1% REACH contact persons must not be used Check of valid application for PAH basic substances Company specific check of recipient data
6.07	Change of Recommendation 001 regarding basic substance ranges for small parts (< 5g)
6.00	Configurable display of the check: Show check results in separate window or in the details view (tree view) New check Recommendation 22 Change of Recommendation 001: check of material structure for classification 5.1.x only for the material with the highest percentage/weight Checks can be configured and compiled and new checker configurations are possible
5.06	Show next check result in detail view (tree view) Show errors in quality checker only
5.04.001	Recommendation 001 enhanced with "Wild card 'not yet specified'"
5.03	Changed Recommendation 004: check of the amount of wild cards according to Recommendation 001
4.07	Adaption to recommendation change in March 2007 Recommendation check of Std. material no. is configurable with existing public norm only Added Recommendation 004 Recommendation check of existing public norm Optional SCM check during recommendation check

4 Check configurations

4.1 General

To create/edit/delete check configurations user needs to navigate to “**Options → Checks → Check configurations**”.

Check configurations panel is split into two areas:

1. List of existing check configurations (orange) - see **chapter 4.1.1**
2. Actions (blue) - see **chapter 4.1.2**

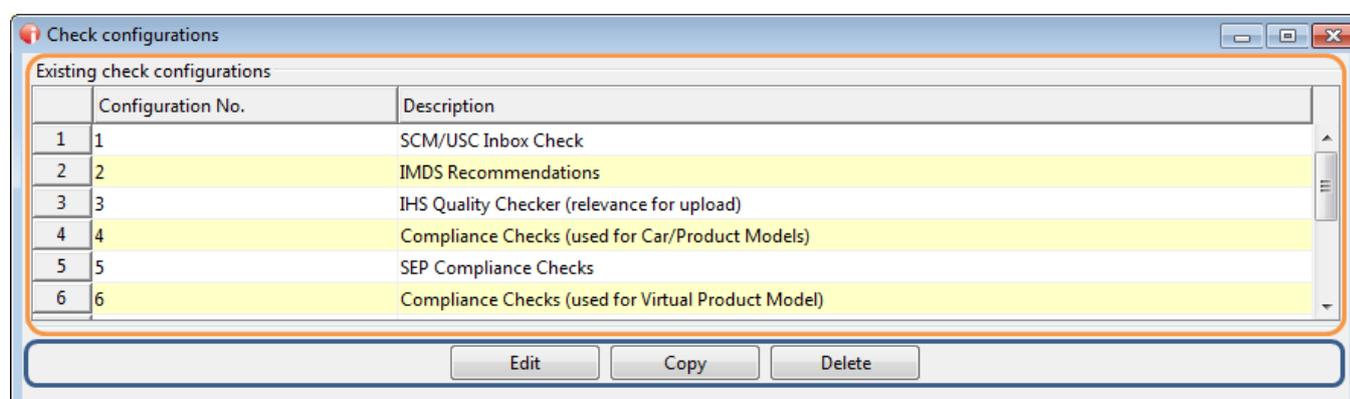


Figure 1 Check configurations panel

4.1.1 List of existing check configurations

Displays the list of all existing check configurations.

Some configurations are predefined by iPoint. They can be identified by the value in the “**Configuration No.**” column which is smaller than 100.

Following predefined configurations are available:

- **SCM/USC Inbox Check.**
Check configuration which is used for the check of incoming datasheets sent by the suppliers.
- **IMDS Recommendations**
Check configuration according to the IMDS recommendation checks published by the IMDS Steering Committee.
- **IHS Quality Checker (relevance for upload)**
Check configuration which is used for the quality check of own MDS/modules and for the setting of the status “**IHS ready**”.
- **Compliance Checks (used for Car/Product Models)**
Check configuration which is used for evaluation of supplier MDSs used in Car/Product model. This check is optional and is available only if Car/Product Model module is licensed.

- **SEP Compliance Checks**
Check configuration which is used for evaluation of supplier declarations.
This check is optional and is available only if SEP module is licensed.
- **Compliance Checks (used for Virtual Product Model)**
Check configuration which is used for evaluation of MDSs used in VPs.
This check is optional and is available only if VPM module is licensed.

Following columns are available:

- **Configuration No.**
Internal ID of the check configuration generated upon first save of the check configuration
- **Description**
The description of the check.
- **Org.Units**
Organization unit IDs of the own organization unit(s) assigned to the check configuration.
Organization unit cannot be assigned to default check configurations provided by iPoint (with configuration no. 1-6).
This column is optional and is displayed only if module for organization unit specific checks is licensed.
- **Projects**
Project IDs of the projects assigned to the check configuration.
Projects cannot be assigned to default check configurations provided by iPoint (with configuration no. 1-6).
This column is optional and is displayed only if module for project specific checks is licensed.

4.1.2 Actions

The following actions are available:

- **View**
Allows viewing selected check configuration (see **chapter 4.1.2.1**).
- **Edit**
Allows editing selected check configuration (see **chapter 4.1.2.2**).
- **Copy**
Allows copying selected check configuration (see **chapter 4.1.2.3**).
This button is displayed only if optional module for organization unit or module project specific checks is licensed.
- **Delete**
Allows deleting selected check configuration (see **chapter 4.1.2.4**).

4.1.2.1 View

The details of the selected check configuration can be viewed by click on the “**View**” button. This function is available to every user.

4.1.2.2 Edit

The details of the selected check configuration can be modified by click on the “**Edit**” button.

For details about structure of check configurations, their purpose, check categories for checks, see **chapter 4.2**.

Once all changes are done, check configuration can be saved by click on the “**Save**” button. To cancel changes, click the “**Cancel**” button.

PLEASE NOTE: User with activated permission “**ADMIN_CHECK_CONFIG**” can edit own as well as iPoint check configurations while user with activated permission “**CREATE_CHECK_CONFIG**” can edit only own check configurations. User without any of these permissions can only view the check configuration.

IMPORTANT: Changes done are valid company wide and not user specific.

4.1.2.3 Copy

Selected own check configuration as well as iPoint’s check configurations called “**SCM/USC Inbox Check**” and “**IHS Quality Checker (relevance for upload)**” can be copied by click on the “**Copy**” button.

This will copy selected check configuration with all its settings into the new own check configuration (with the value in the “**Configuration No.**” column which is greater or equal to 100) and it will be automatically loaded so that can be edited immediately.

It is highly recommended to enter a descriptive name of the own check configuration into the “**Description**” field (see **Figure 2**). This helps in easy orientation within created checks.



Figure 2 Check configuration description field

Once all changes are done, own check configuration can be saved by click on the “**Save**” button. To cancel changes, click the “**Cancel**” button.

PLEASE NOTE: Only user with activated permission “**ADMIN_CHECK_CONFIG**” and/or “**CREATE_CHECK_CONFIG**” can copy the check configuration.

4.1.2.4 Delete

An existing own check configuration can be deleted upon its selection and click on the “**Delete**” button. This will bring up a small pop-up window (see **Figure 3**). By click on the “**Yes**” button the check configuration will be deleted. By click on the “**No**” button, the check configuration will be kept.

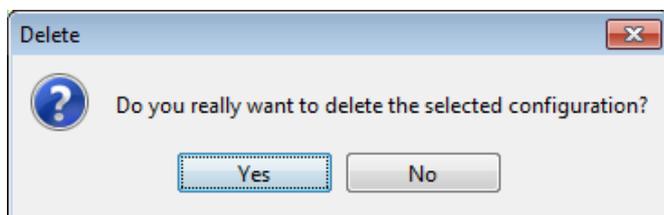


Figure 3 Confirmation of deletion of check configuration

PLEASE NOTE: Only user with activated permission “**ADMIN_CHECK_CONFIG**” and/or “**CREATE_CHECK_CONFIG**” can delete the check configuration.

4.2 Composition, structure and set up of check configurations

4.2.1 “SCM/USC Inbox Check” check configurations

The default check configuration for check of incoming datasheets called “**SCM/USC Inbox Check**” has configuration number “1”.

In case the optional module for organization unit or module for project specific checks is licensed, own check configurations can be created by copy of wished source check configuration for check of incoming datasheets (for details see **chapter 4.1.2.3**).

4.2.1.1 Check groups

Check configurations for check of incoming datasheet consist of following tabs representing different check groups:

- **Assigned Org.Units**

Displays the list of available own organization units and list of own organization units assigned to the check configuration (see **Figure 4**):

- In default “**SCM/USC Inbox Check**” this list is read-only and cannot be modified by the user and in the list of assigned organization units are displayed all those own organization units which are not assigned to any of the own “**SCM/USC Inbox Check**” check configurations for incoming datasheets.
- In an own “**SCM/USC Inbox Check**” check configuration, this list is editable and editing can be done as follows.
 - On the left side is the list of all active own organization units. Organization units, which are already assigned to different organization unit specific check configurations (except of the default configuration) are written in bold italic and grey color. These cannot be assigned to currently edited check configuration.
 - On the right side is the list of own organization units assigned to current check configuration. Organization unit can be added by selecting it in the list of available organization units and click on the “**Add >>**” button. Multiple organization units can be selected and added at once. Organization units can be removed from the

check configuration by selecting it in the list of wished assigned organization units and click on the “<< Remove” button.

This tab is optional and is displayed only if module for organization unit specific checks of incoming datasheets is licensed.

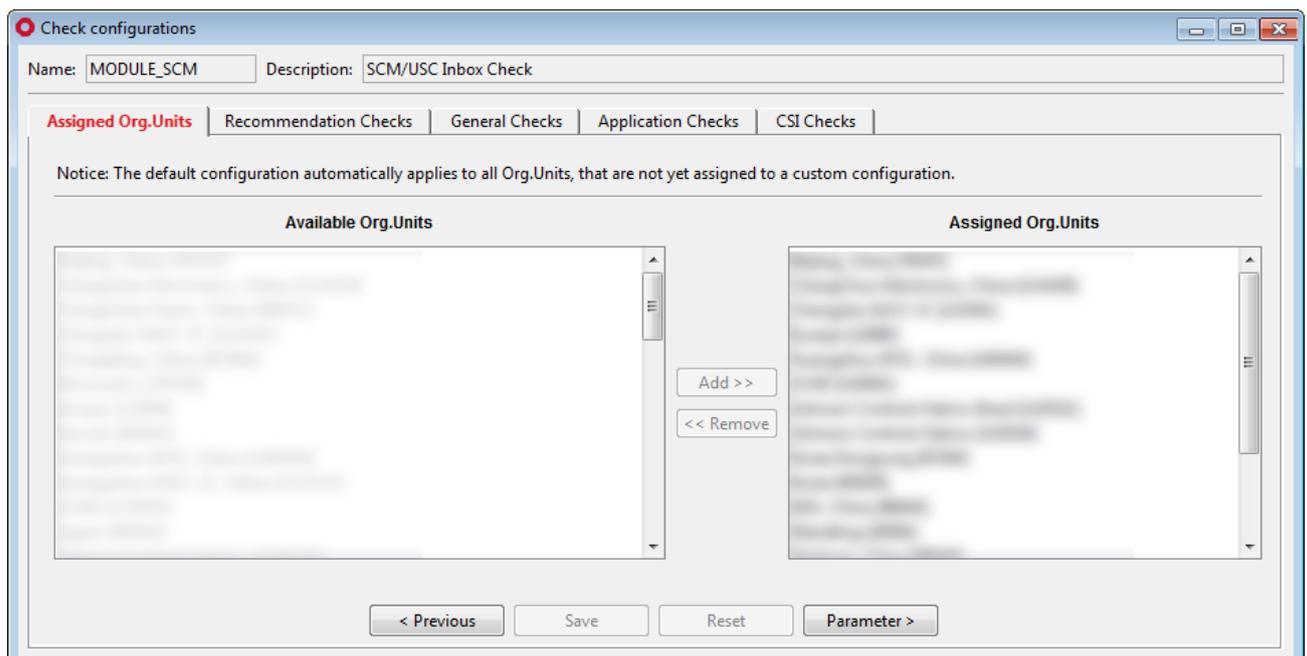


Figure 4 Tab “Assigned Org.Units” of the check configuration

- **Assigned projects**

Displays the list of available projects and list of projects assigned to the check configuration (see **Figure 5**):

- In default “**SCM/USC Inbox Check**” this list is read-only and cannot be modified by the user and in the list of assigned projects are displayed all those projects which are not assigned to any of the own “**SCM/USC Inbox Check**” check configurations for incoming datasheets.
- In an own “**SCM/USC Inbox Check**” check configuration, this list is editable and editing can be done as follows.
 - On the left side is the list of all active projects. Projects, which are already assigned to different project specific check configurations (except of the default configuration) are written in bold italic and grey color. These cannot be assigned to currently edited check configuration.
 - On the right side is the list of projects assigned to current check configuration. Projects can be added by selecting it in the list of available projects and click on the “**Add >>**” button. Multiple projects can be selected and added at once. Projects can be removed from the check configuration by selecting it in the list of wished assigned projects and click on the “<< **Remove**” button.



This tab is optional and is displayed only if module for project specific checks of datasheets is licensed.

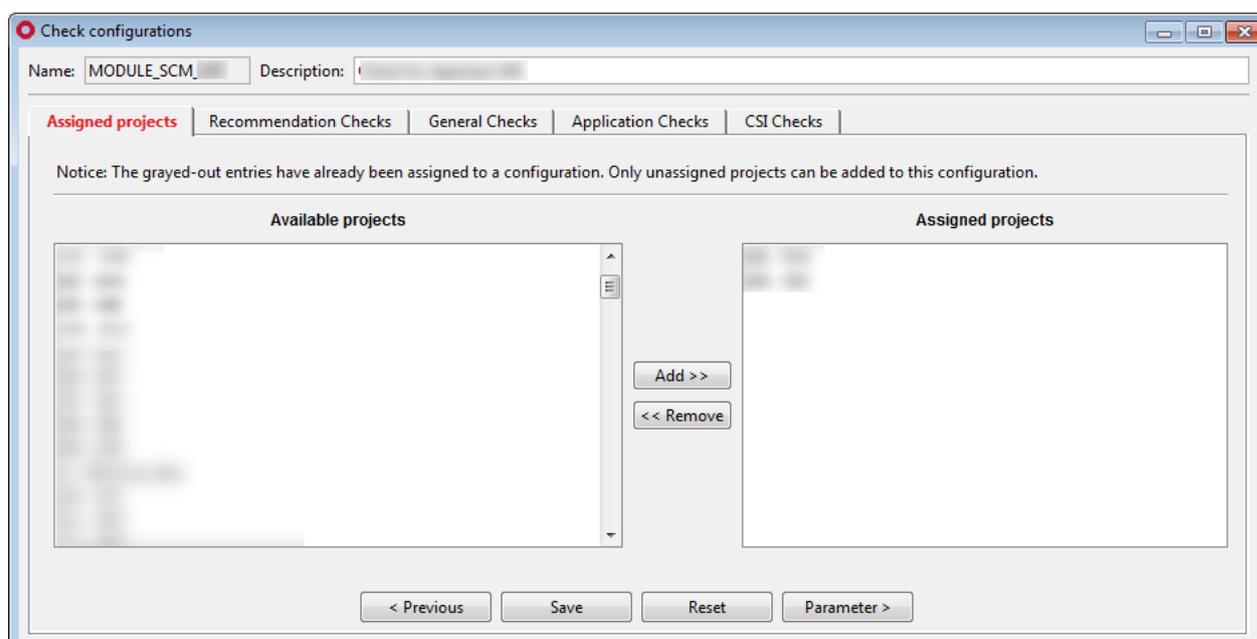


Figure 5 Tab “Assigned Projects” of the check configuration

- **Recommendation Checks**
Allows to configure IMDS recommendation checks.
- **General Checks**
Allows to configure various checks like MDS quality checks, customer specific checks, etc.
- **Application Checks**
Allows to configure application codes checks.
- **CSI Checks**
Allows to configure compliance checks.
This tab is displayed only if at least one released CSI rule group is assigned to the check configuration and if the CSI module is licensed.
For more details about impact of the result from these checks on the inbox check, see the description in **chapter 10.1.8**.

4.2.1.2 Check categories

Each check group contains different checks. For each check, the check category needs to be selected. This defines the type of the message raised because of the check as well as overall check status of the check of the datasheet.

Following check categories exists in the check configuration for check of incoming datasheets:

- **Automatic rejection**
 Triggers automatic rejection of the datasheet upon check in case that the check did not passed. It is recommended to use this check category for those checks, which must be passed to obtain certain quality of the datasheet at a customer as this helps to reduce datasheets directed to manual check to only those datasheets, which fulfill absolute must have quality requirements. This check category is displayed only if automated inbox check (AIC) module is licensed.
- **Precheck**
 Triggers the message in the result from the check with type “**Error**”. This also causes that the result from the check of the incoming datasheet will be  so the datasheet will be considered as one not meeting quality requirements.
- **Manual check**
 Triggers the creation of so-called to-do task as a result from the check. This check category is displayed only if user specified check (USC) module is licensed.
- **No check at all**
 The check will not be performed at all.

PLEASE NOTE: For some of the checks, not all check categories are active. This is a purpose and not a mistake in the check configuration.

4.2.1.3 Check ranking

If automated inbox check (AIC) module is licensed, also check ranking must be defined for each check which is assigned to the check level “**Precheck**” or “**Manual check**”.

To define a ranking for the check, the value from the drop-down list must be selected (see **Figure 6**). Values shown in the drop-down list are from check categories master data. For more details about how to create, edit or delete check categories, please see **chapter 5**.

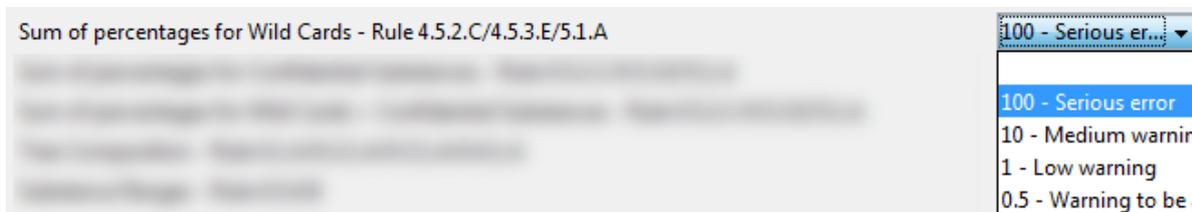


Figure 6 Definition of ranking for a check

In case the ranking is not assigned to all checks which are assigned to the check level “**Precheck**” or “**Manual check**” the error is shown (see **Figure 7**) and check configuration cannot be saved.

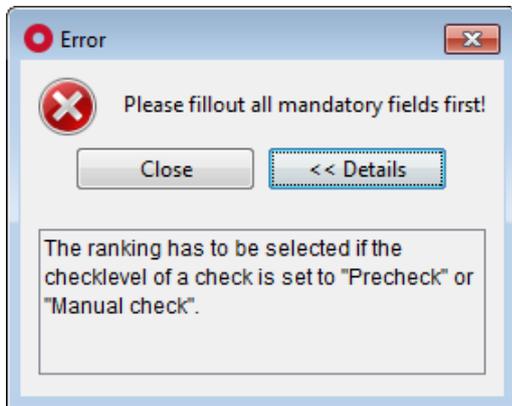


Figure 7 Error shown if ranking is not defined for all relevant checks

4.2.1.4 Actions

The following actions are available at the bottom of the check configuration panel:

- **< Previous**
Navigate back to the list of the check configurations (see **Figure 1**).
The button is disabled if the edit mode is active.
- **Save**
Saves changes done in the check configuration.
- **Edit**
Opens edit mode for the active tab in the check configuration.
- **Cancel**
Cancels editing of the check configuration.
PLEASE NOTE: All changes will be discarded and edit mode will be ended.
- **Reset**
Resets the check configuration to the last saved state and keeps the edit mode active.
- **Parameter >**
Allows to view and edit parameters that are used by some checks in the check configuration (see **chapter 4.2.1.4.1**).

4.2.1.4.1 Parameters

Parameters in the check configuration for check of incoming datasheets called “**SCM/USC Inbox Check**” or in any of its copy are split into several groups:

- **General parameter**
Allows to configure general configuration parameters.

- **Ranges**

Allows to configure ranges for basic substances, materials, semicomponents and small parts.

These are used by following checks:

- Substance Ranges - Rule 4.5.4.B
- Substance Ranges (small parts)
- Semicomponent Ranges - Rule 4.3.2.B
- Material Ranges - Rule 4.4.3.B

- **Substance limits**

Allows to configure maximum allowed values for the portion of the confidential substances and wildcards in the materials.

These are used by following checks:

- Sum of percentages for Wild Cards - Rule 4.5.2.C/4.5.3.E/5.1.A
- Sum of percentages for Confidential Substances - Rule 4.5.2.C/4.5.3.E/5.1.A
- Sum of percentages for Wild Cards + Confidential Substances - Rule 4.5.2.C/4.5.3.E/5.1.A

- **Tree structure**

Allows to configure allowed combinations of different elements in the IMDS tree structure.

These are used by following checks:

- Tree Composition - Rule 4.1.A/4.2.1.A/4.3.1.A/4.4.1.A

- **AQ limits**

Allows to configure maximum allowed limits for certain substances.

- **Recipient data**

Allows to configure requirements on the details entered by the suppliers in the “**Recipient data**” page of the datasheets sent to defined own organization units (see **chapter 4.2.1.4.1.1**).

4.2.1.4.1.1 Recipient data

The recipient data tab is split into three areas:

1. List of own organisation units (orange) - see **chapter 4.2.1.4.1.1.1**
2. Details of recipient data check for selected organization unit (blue) - see **chapter 4.2.1.4.1.1.2**
3. Actions (green) – see **chapter 4.2.1.4.1.1.3**

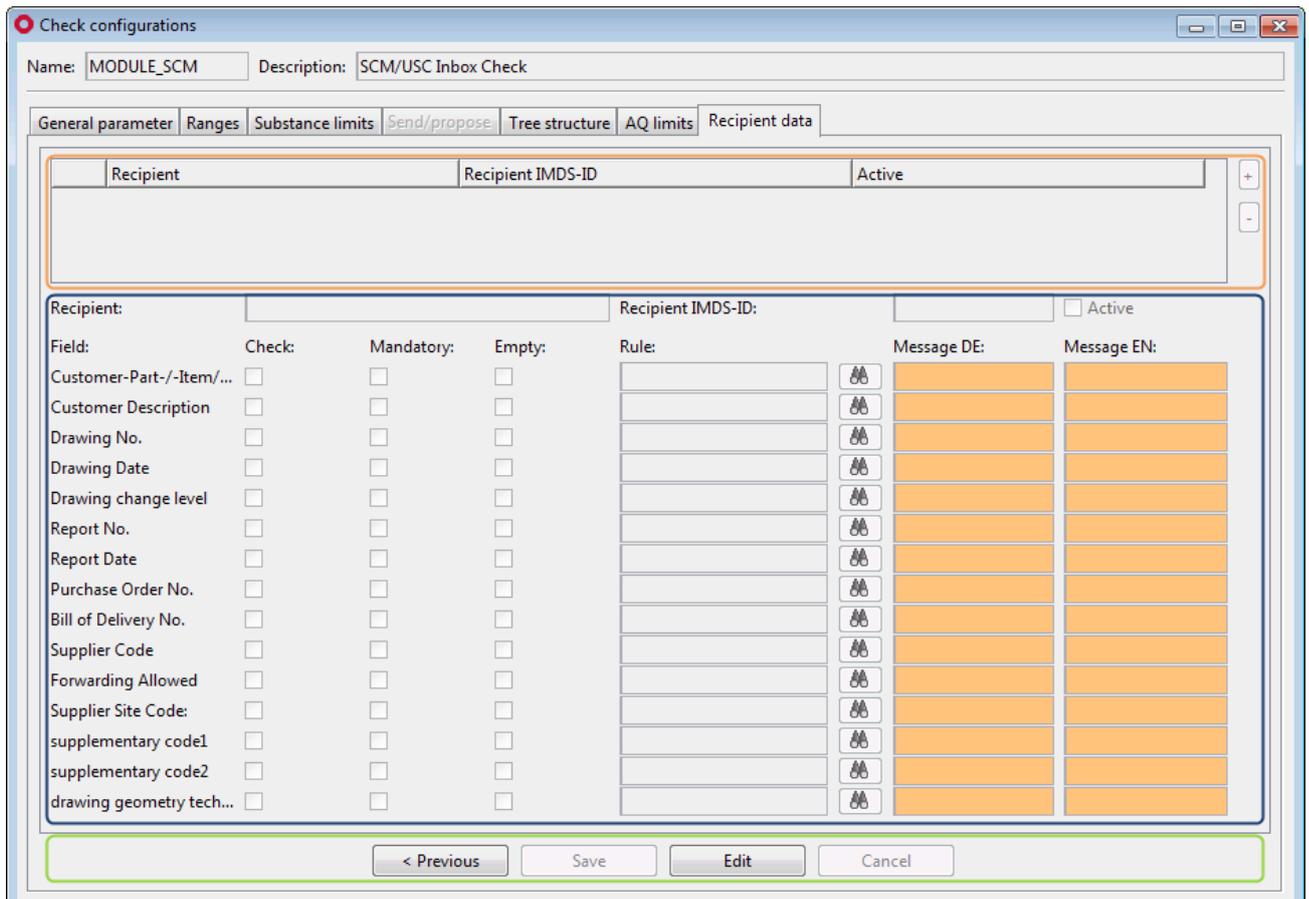


Figure 8 Recipient data parameters

4.2.1.4.1.1.1 List of own organisation units

The list of all own organisation units for which the recipient data should be checked in incoming datasheet are shown upon load of the parameters panel.

Upon selection of the organisation unit, all parameters defined for the recipient data check of that organisation unit are displayed in the details of recipient data check for selected organisation unit area below.

Following information is available:

- **Recipient**
The name of the organisation unit
- **Recipient IMDS-ID**
The IMDS ID of the organisation unit
- **Active**
If the checkbox is checked, the check of the details defined by the supplier in the recipient data of the datasheet sent to the organisation unit is performed.
If the checkbox is not unchecked, the check is not done.

Additionally, following buttons are available for manipulation with the list of organisation units:

- **+**
Allows to define recipient data check for another of own organisation units.
This opens the panel for the search for the IMDS organisation units.
In case the selected organisation unit already exists in the list, the error is shown to the user (see **Figure 9**) and the organisation unit is not added.

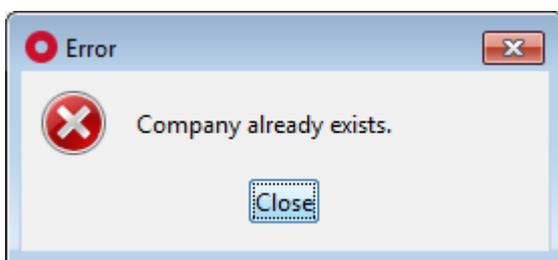


Figure 9 Error shown if already defined organisation is selected again

- **-**
Allows to remove recipient data check for selected organisation unit.
This will bring up a small pop-up window (see **Figure 10**). By click on the “**Yes**” button the organisation unit entry will be removed. By click on the “**No**” button, the organisation unit entry will be kept.

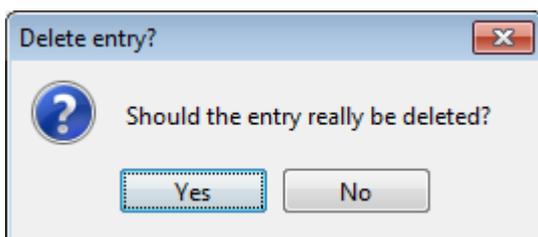


Figure 10 Confirmation of deletion of the organisation unit entry from the recipient data check

4.2.1.4.1.1.2 Details of recipient data check for selected organization unit

Displays the details of the recipient data check configuration for the organisation unit selected in the list of own organisation units.

For each recipient data item, it can be defined if the check should be done or not.

This is done by following items:

- **Check**
If the checkbox is checked, the recipient data item is checked as per definition.
If the checkbox is not checked, the recipient data item is not checked at all.
- **Mandatory**
If the checkbox is checked, the recipient data item must not be empty (in case of the text field) or must be checked (in case of the checkbox).
- **Empty**
If the checkbox is checked, the recipient data item must be empty (in case of the text field) or must not be checked (in case of the checkbox).
- **Rule**
Defines a format of the recipient data item (only in case of the text field) – this is defined by the regular expression.
By click on the  the panel for definition and validation of the regular expression is displayed (see **Figure 11**).
 - Wished regular expression (for hints see **Table 1**) is entered into the “**Regular expression**” field can be tested by entering expected correct and incorrect values into the “**Check expression**” field and click on the “**Check**” button.
 - Depending on the defined value, either “**OK**” or “**No Match**” value is displayed in the “**Result for Regular expression and check expression**” field.
 - Defined regular expression is taken over to the recipient data item check by click on the “**OK**” button. Click on the “**Cancel**” button discards the definition of the rule for the check.

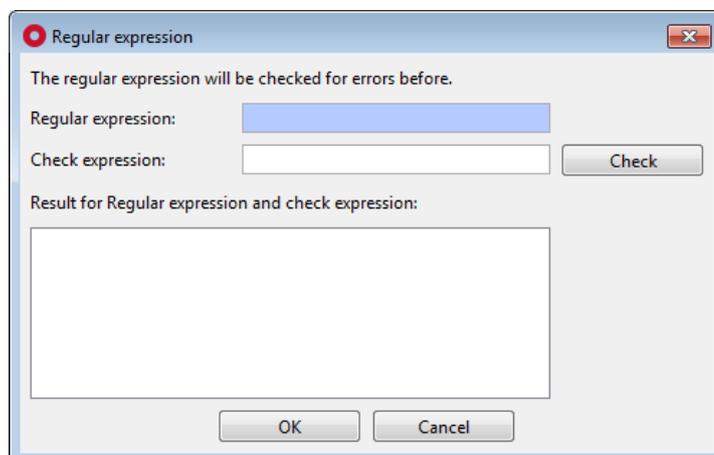


Figure 11 Panel for definition and validation of the regular expression



Regular expression	Explanation
.	Any character except new line
^	Beginning of the row
\$	End of the row
*	Matches 0 or more times
?	Matches 0 or 1 times
+	Matches 1 or more times
{n}	Exactly n appearances of the element
[abc]	Character list can contain a, b or c
[g-l]	g, h, i, j, k, or l
{3,6}	between 3 and 6 times
[0-9A-G]	a character of the range 0 to 9 and A to G
[:alnum:]	Alphanumeric characters (letters and digits)
()	Group which is treated as own sub expression
(ab c)	ab or c

Table 1 Example of the special characters in the regular expression

- **Message DE**
The German message which is raised in case the check for recipient data item fails.
This is mandatory field.
- **Message EN**
The English message which is raised in case the check for recipient data item fails.
This is mandatory field.

Additionally, the recipient data check for organisation unit can be enabled/disabled by checking/unchecking the “**Active**” checkbox.

4.2.1.4.1.1.3 Actions

The following actions are available at the bottom of the check configuration panel:

- **< Previous**
Navigate back last active tab in the currently viewed/edited/created check configurations.
The button is disabled if the edit mode is active.
- **Save**
Saves changes done in the parameters.

The button is enabled only in case the edit mode is activated.

- **Edit**
Allows to edit details in currently active parameters tab.
By click on this button, all other tabs in parameter panel are deactivated.
- **Cancel**
By click on the edit of the parameters is cancelled and all unsaved changes are discarded.
The button is enabled only in case the edit mode is activated.

4.2.2 “IMDS Recommendations” check configuration

The default check configuration for recommendation check of own or incoming datasheets called “**IMDS Recommendations**” has configuration number “2”.

It is not possible to create own configurations of this check configuration.

4.2.2.1 Check group

Check configuration for recommendation check consists of only one check group:

- **Recommendation Checks**
Allows to configure IMDS recommendation checks.

4.2.2.2 Check categories

For each check in the “**Recommendations Check**” tab, the check category needs to be selected. This defines the type of the message raised because of the check.

Out of 5 check categories existing in the recommendation check configuration only two are active and could be used:

- **Error**
Triggers the message in the result from the check with type “**Error**”.
These messages are pointing to an issue which needs to be resolved before the MDS/module can be used for further actions.
- **No check**
The check will not be performed at all.

4.2.2.3 Actions

The following actions are available at the bottom of the check configuration panel:

- **< Previous**
Navigate back to the list of the check configurations (see **Figure 1**).
The button is disabled if the edit mode is active.

- **Save**
Saves changes done in the check configuration.
- **Edit**
Opens edit mode for the active tab in the check configuration.
- **Cancel**
Cancels editing of the check configuration.
PLEASE NOTE: All changes will be discarded and edit mode will be ended.
- **Reset**
Resets the check configuration to the last saved state and keeps the edit mode active.
- **Parameter >**
Allows to view parameters that are used by some checks in the “**IMDS recommendation**” check configuration (see **chapter 4.2.1.4.1**).

4.2.3 “IHS Quality Checker (relevance for upload)” check configuration

The default check configuration for quality check of own and received datasheets called “**IHS Quality Checker (relevance for upload)**” has configuration number “**3**”.

In case the optional module for project specific checks is licensed, own check configurations can be created by copy of wished source check configuration for quality check of own and received datasheets (for details see **chapter 4.1.2.3**).

4.2.3.1 Check groups

Check configurations for check of incoming datasheet consist of following tabs representing different check groups:

- **Assigned projects**
Displays the list of available projects and list of projects assigned to the check configuration (see **Figure 12**):
 - In default “**IHS Quality Checker (relevance for upload)**” this list is read-only and cannot be modified by the user and in the list of assigned projects are displayed all those projects which are not assigned to any of the own “**IHS Quality Checker (relevance for upload)**” check configurations for quality check of own and received datasheets.
 - In an own “**IHS Quality Checker (relevance for upload)**” check configuration, this list is editable and editing can be done as follows.
 - On the left side is the list of all active projects. Projects, which are already assigned to different project specific check configurations (except of the default configuration) are written in bold italic and grey color. These cannot be assigned to currently edited check configuration.
 - On the right side is the list of projects assigned to current check configuration. Projects can be added by selecting it in the list of available projects and click on the “**Add >>**” button. Multiple projects can be selected and added at once. Projects

can be removed from the check configuration by selecting it in the list of wished assigned projects and click on the “<< Remove” button.

This tab is optional and is displayed only if module for project specific checks of datasheets is licensed.

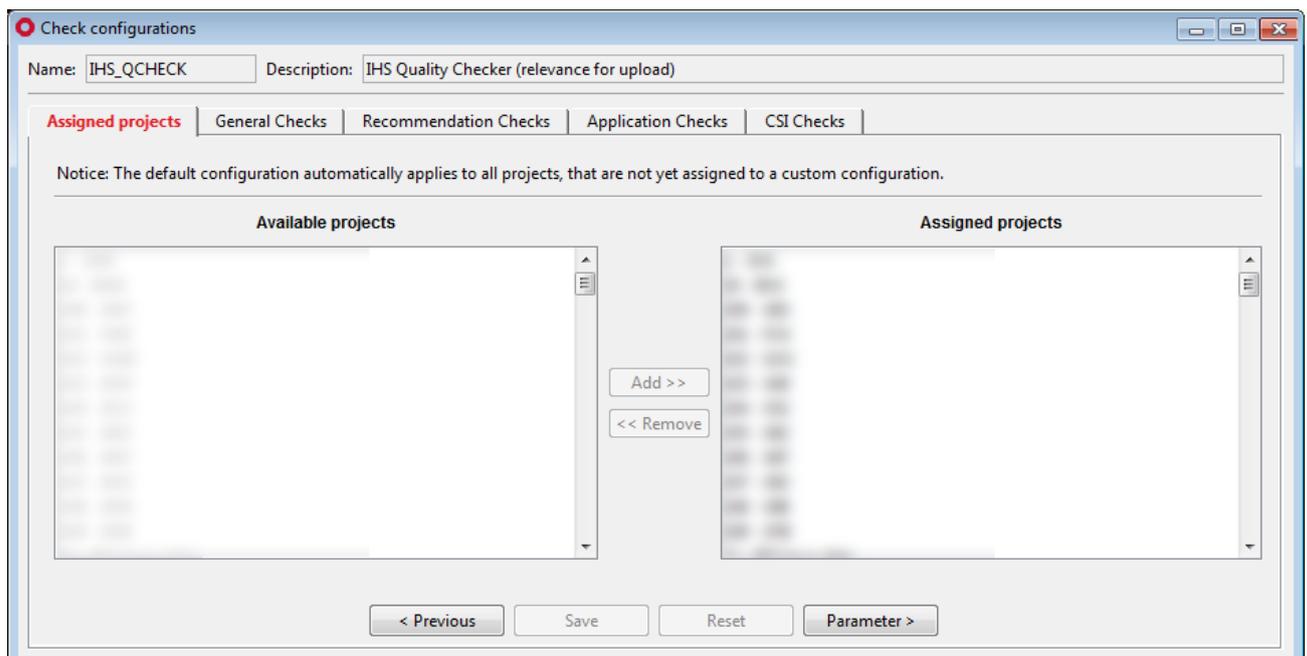


Figure 12 Tab “Assigned Projects” of the check configuration

- **Recommendation Checks**
Allows to configure IMDS recommendation checks.
- **General Checks**
Allows to configure various checks like MDS quality checks, customer specific checks, etc.
- **Application Checks**
Allows to configure application codes checks.
- **CSI Checks**
Allows to configure compliance checks.
This tab is displayed only if at least one released CSI rule group is assigned to the check configuration and if the CSI module is licensed.

4.2.3.2 Check categories

Each check group contains different checks. For each check, the check category needs to be selected. This defines the type of the message raised because of the check.



Following check categories exist in the check configuration for check of quality of own and received datasheets:

- **Error**
Triggers the message in the result from the check with type “**Error**”.
In case the error is raised while the own MDS/module is being set to the “**IHS ready**” status, the problem must be solved first, otherwise the setting of the status won’t be allowed.
- **Warning**
Triggers the message in the result from the check with type “**Warning**”.
In case the warning is raised while the own MDS/module is being set to the “**IHS ready**” status and no error is raised, the setting of the status is allowed. Anyhow, the problem should be checked.
- **Info**
Triggers the message in the result from the check with type “**Info**”.
These messages are hints to improve the quality of the own MDS/module.
- **Context**
This message type can be / has to be selected for checks which are upload relevant. The type itself depends on the IMDS status of the MDS/module. In most cases an error will be created for an own MDS/module which is in edit mode, a warning appears for an own, internally released MDS/Module or a supplier’s or published MDS. Nonetheless some exceptions are possible in this context (i.e. for referenced materials which contain materials and basic substances on the same level there will always be an error message).
- **No check**
The check will not be performed at all.

LEASE NOTE: For some of the checks, not all check categories are active. This is a purpose and not a mistake in the check configuration.

4.2.3.3 Actions

The following actions are available at the bottom of the check configuration panel:

- **< Previous**
Navigate back to the list of the check configurations (see **Figure 1**).
The button is disabled if the edit mode is active.
- **Save**
Saves changes done in the check configuration.
- **Edit**
Opens edit mode for the active tab in the check configuration.
- **Cancel**
Cancels editing of the check configuration.
PLEASE NOTE: All changes will be discarded and edit mode will be ended.

- **Reset**
Resets the check configuration to the last saved state and keeps the edit mode.
- **Parameter >**
Allows to view and edit parameters that are used by some checks in the check configuration (see **chapter 4.2.3.3.1**).

4.2.3.3.1 Parameters

Parameters in the check configuration for quality check of own and received datasheets called “**IHS Quality Checker (relevance for upload)**” or in any of its copy are split into several groups:

- **General parameter**
Allows to configure general configuration parameters.
- **Ranges**
Allows to configure ranges for basic substances, materials, semicomponents and small parts. These are used by following checks:
 - Substance Ranges - Rule 4.5.4.B
 - Substance Ranges (small parts)
 - SemiComponent Ranges - Rule 4.3.2.B
 - Material Ranges - Rule 4.4.3.B
- **Substance limits**
Allows to configure maximum allowed values for the portion of the confidential substances and wildcards in the materials. These are used by following checks:
 - Sum of percentages for Wild Cards - Rule 4.5.2.C/4.5.3.E/5.1.A
 - Sum of percentages for Confidential Substances - Rule 4.5.2.C/4.5.3.E/5.1.A
 - Sum of percentages for Wild Cards + Confidential Substances - Rule 4.5.2.C/4.5.3.E/5.1.A
- **Send/propose**
Allows to configure companies that do not accept datasheets send/proposed to them. This is used by the “**Disable send to recipient**” and “**Disable propose to recipient**” checks (see **chapter 10.1.6**).
PLEASE NOTE: This tab is disabled in copies of “**IHS Quality Checker (relevance for upload)**” check configuration as the settings are valid globally for the system and not bound to the specific project check configuration.
- **Tree structure**
Allows to configure allowed combinations of different elements in the IMDS tree structure. These are used by following checks:
 - Tree Composition - Rule 4.1.A/4.2.1.A/4.3.1.A/4.4.1.A
- **AQ limits**
Allows to configure maximum allowed limits for certain substances.

- **Recipient data**

Allows to configure requirements on the details entered in the “**Recipient data**” page of the own datasheets for submission to customers.

For details about recipient data check configuration see **chapter 4.2.1.4.1.1**.

4.2.4 “Compliance Checks (used for Car/Product Models)” check configuration

The check configuration for polymeric parts marking and compliance checks for Car / Product model called “**Compliance Checks (used for Car/Product Models)**” has configuration number “4”.

It is not possible to create own configurations of this check configuration.

This check configuration is visible only in case the optional module “**Car / Product Model**” is licensed.

4.2.4.1 Check groups

Check configurations for this check consists of following tabs representing different check groups:

- **General checks**

Allow configuration of following checks:

- Polymeric parts marking
- ISO classifications

Activation of these checks will enable display of appropriate columns in main Car / Product Model and MDS List result lists. These columns then display the relevant data.

PLEASE NOTE: Calculation of the data for display is done in the background and the initial calculation may take several hours until done.

- **CSI checks**

Allows configuration of CSI rule groups for use in Car / Product Model compliance checks.

This tab is displayed only if at least one released CSI rule group is assigned to the check configuration and if the CSI module is licensed.

PLEASE NOTE: Calculation of the data for display is done only in case that the “**SOP**” date is defined for the Car / Product Model. The calculation in the background and the initial calculation may take several hours until done.

4.2.4.2 Check categories

Each check group contains different checks. For each check, the check category needs to be selected. This defines the type of the message raised because of the check as we all overall check status of the check of the datasheet and Car / Product Model.

Following check categories exists in the check configuration:

- **Check**

The check will be performed.

- **No check at all**

The check will not be performed at all.

4.2.4.3 Actions

The following actions are available at the bottom of the check configuration panel:

- **< Previous**
Navigate back to the list of the check configurations (see **Figure 1**).
The button is disabled if the edit mode is active.
- **Save**
Saves changes done in the check configuration.
- **Edit**
Opens edit mode for the active tab in the check configuration.
- **Cancel**
Cancels editing of the check configuration.
PLEASE NOTE: All changes will be discarded and edit mode will be ended.
- **Reset**
Resets the check configuration to the last saved state and keeps the edit mode.
- **Parameter >**
This button is always disabled

4.2.5 “SEP Compliance Checks” check configuration

The check configuration for polymeric parts marking and compliance checks for Supplier Entry Portal declarations called “**SEP Compliance Checks**” has configuration number “5”.

It is not possible to create own configurations of this check configuration.

This check configuration is visible only in case the optional module “**Supplier Entry Portal**” is licensed.

4.2.5.1 Check group

Check configuration for SEP compliance checks consists of only one check group:

- **CSI checks**
Allows configuration of CSI rule groups for use in Supplier Entry Portal compliance checks.
This tab is displayed only if at least one released CSI rule group is assigned to the check configuration and if the CSI module is licensed.

4.2.5.2 Check categories

Each check group contains different checks. For each check, the check category needs to be selected. This defines the type of the message raised because of the check as well as the overall check status of the check of the datasheet and supplier entry in the Supplier Entry Portal.

Following check categories exists in the check configuration:

- **Check**
The check will be performed.
- **No check at all**
The check will not be performed at all.

4.2.5.3 Actions

The following actions are available at the bottom of the check configuration panel:

- **< Previous**
Navigate back to the list of the check configurations (see **Figure 1**).
The button is disabled if the edit mode is active.
- **Save**
Saves changes done in the check configuration.
- **Edit**
Opens edit mode for the active tab in the check configuration.
- **Cancel**
Cancels editing of the check configuration.
PLEASE NOTE: All changes will be discarded and edit mode will be ended.
- **Reset**
Resets the check configuration to the last saved state and keeps the edit mode.
- **Parameter >**
This button is always disabled

4.2.6 “Compliance Checks (used for Virtual Product Model)” check configuration

The check configuration for polymeric parts marking and compliance checks for Virtual Product Model called “**Compliance Checks (used for Virtual Product Model)**” has configuration number “6”.

It is not possible to create own configurations of this check configuration.

This check configuration is visible only in case the optional module “**Virtual Product Model**” is licensed.



4.2.6.1 Check groups

Check configurations for this check consists of following tabs representing different check groups:

- **General checks**

Allow configuration of following checks:

- Polymeric parts marking
- ISO classifications

Activation of these checks will enable display of appropriate columns in main VP and DS List result lists. These columns then display the relevant data.

PLEASE NOTE: Calculation of the data for display is done in the background and the initial calculation may take several hours until done.

- **CSI checks**

Allows configuration of CSI rule groups for use in Virtual Product compliance checks.

This tab is displayed only if at least one released CSI rule group is assigned to the check configuration and if the CSI module is licensed.

PLEASE NOTE: Calculation of the data for display is done only in case that the “**Compliance Date**” date is defined Virtual Product. The calculation of the data for display is done in the background and the initial calculation may take several hours until done.

4.2.6.2 Check categories

Each check group contains different checks. For each check, the check category needs to be selected. This defines the type of the message raised because of the check as we all overall check status of the check of the datasheet and Virtual Product.

Following check categories exists in the check configuration:

- **Check**

The check will be performed.

- **No check at all**

The check will not be performed at all.

4.2.6.3 Actions

The following actions are available at the bottom of the check configuration panel:

- **< Previous**

Navigate back to the list of the check configurations (see **Figure 1**).

The button is disabled if the edit mode is active.

- **Save**

Saves changes done in the check configuration.

- **Edit**

Opens edit mode for the active tab in the check configuration.

- **Cancel**
Cancels editing of the check configuration.
PLEASE NOTE: All changes will be discarded and edit mode will be ended.
- **Reset**
Resets the check configuration to the last saved state and keeps the edit mode.
- **Parameter >**
This button is always disabled

5 Checks in use

The check configuration used for checks can be changed in the panel (see **Figure 13**) which can be accessed from “**Options → Checks → Checks in use**”.

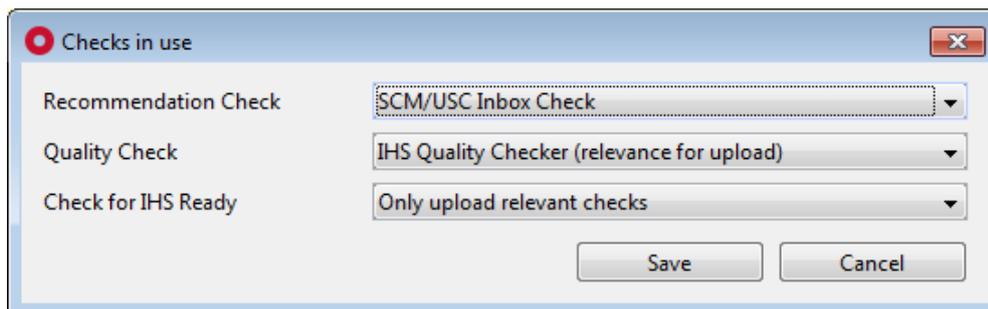


Figure 13 “Checks in use” configuration panel

Following configurations can be done:

- **Recommendation Check**

Allows to define which check configuration will be used for the recommendation check triggered from loaded MDS/module by click on the  button.

Following options are possible:

- SCM/USC Inbox Check
- IMDS Recommendations

- **Quality Check**

Allows to define which check configuration will be used for the quality check triggered from loaded MDS/module by click on the  button.

Either “**IHS Quality Checker (relevance for upload)**” check configuration or any own check configuration can be selected.

- **Check for IHS Ready**

Allows to define which check configuration will be used for setting of the own MDS/module to the “**IHS ready**” status.

Following options are possible:

- Upload relevant and recommendation checks
Only those nodes are checked which are in edit mode and the AQ checks for internally released supplier MDS and the checks as defined in the tab “**Recommendation checks**”. Nodes which are internally released are only checked for their relational data to their parent node (e.g. amount of used parts).
- Only upload relevant checks
Only those nodes are checked which are in edit mode and the AQ checks for internally released supplier MDS. Nodes which are internally released are only checked for their relational data to their parent node (e.g. amount of used parts).

Following buttons can be used:

- **Save**

Saves the changes made.

This will open the dialog (see **Figure 14**) with the question if the changes should be saved. By click on the “**Yes**” button, changes are saved and applied for all users of iPCA in the company. By click on “**No**” button, the changes are not saved.

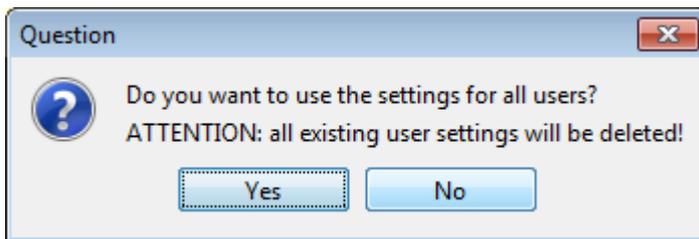


Figure 14 Question if applied changes should be saved

- **Cancel**

Discards changes done.

6 Display of check results

6.1 General

The presentation of the check results can be configured.

Two possibilities are available:

1. Show check results inline in the details view (tree view)
2. Show check results in a separate window

The configuration can be accessed from “**Options → Checks → Display inline**”.

If the check mark is set in front of the “**Display inline**” option, the check results will be displayed in the panel for loaded and check MDS (see **Figure 15**). To change the area for displayed check results, the separation line between MDS area and check results area can be dragged by clicking the left mouse button holding it down and then moving the mouse either up or down.

If the check mark is not set in front of the “**Display inline**” option, the check results will be displayed in an own panel.

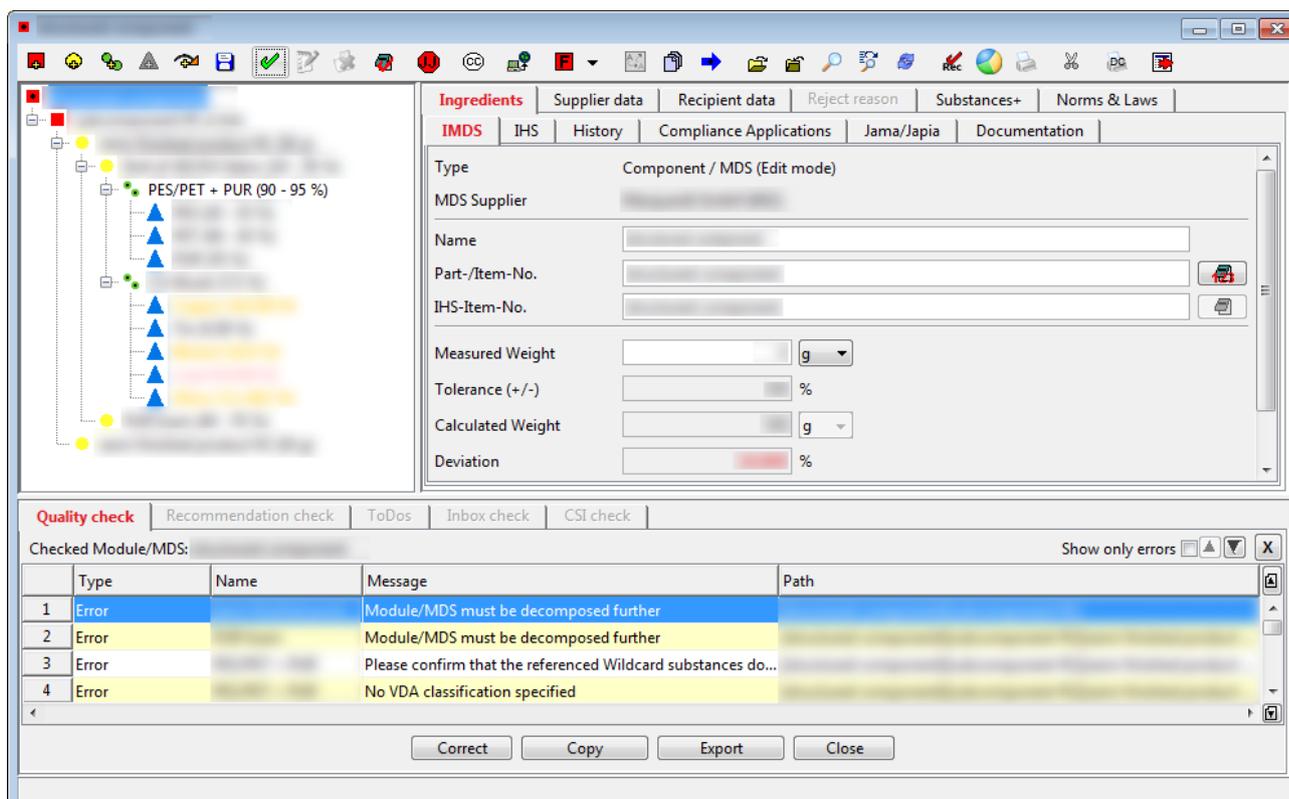


Figure 15 MDS with check results panel displayed inline

6.2 Working with the check results panel

Check result panel is split into three areas:

1. Controls (orange) - see **chapter 6.2.1**
2. Check results (blue) - see **chapter 6.2.2**
3. Actions (green) - see **chapter 6.2.3**

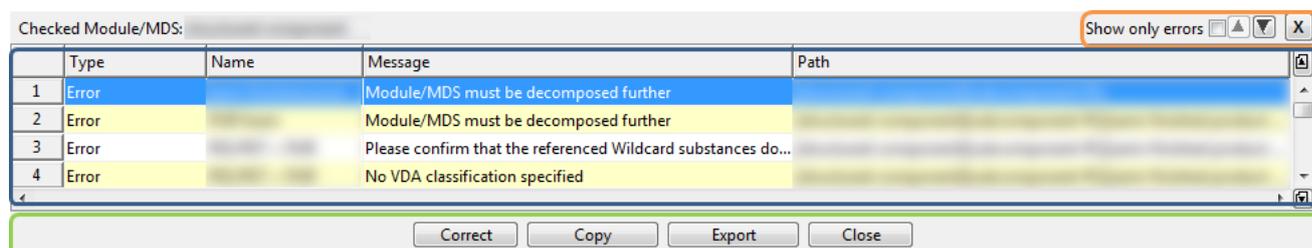


Figure 16 Check results panel

6.2.1 Controls

Allows to control type of check results displayed, quickly navigate within the checks and close the check results panel.

Following controls are available:

- **Show only errors**
When the checkbox is checked, only messages with type “**Error**” will be displayed.
When the checkbox is not checked, all messages regardless of the type will be displayed.
- **Arrow up**
Selects next check result as well as the corresponding node in the datasheet detail view.
- **Arrow down**
Selects previous check result as well as the corresponding node in the datasheet detail view.
- **X**
Closes the check results panel.

6.2.2 Check results

The list of all messages raised during the check of MDS/module as per the relevant check configuration.

6.2.3 Actions

The following actions are available:

- **Correct**
Navigates to the corresponding node in the datasheet detail view for selected check result.



iPoint

iPCA Checker configurations and coverage V14.09 onwards

- **Copy**
Copies selected check results into the clipboard.
- **Export**
Exports the check results.
- **Close**
Closes the check results panel.

7 Quality check

7.1 Performing the quality check

The quality check can be triggered from loaded MDS/module by click on the  button.

Depending on the size of the checked MDS/module, the check is either done immediately or the quality check decision panel is shown (see **Figure 17**).

This helps to increase the performance of the check for of complex datasheets.

PLEASE NOTE: This value can be changed by the configuration parameter „**Q_CHECK_NODECOUNT**“.

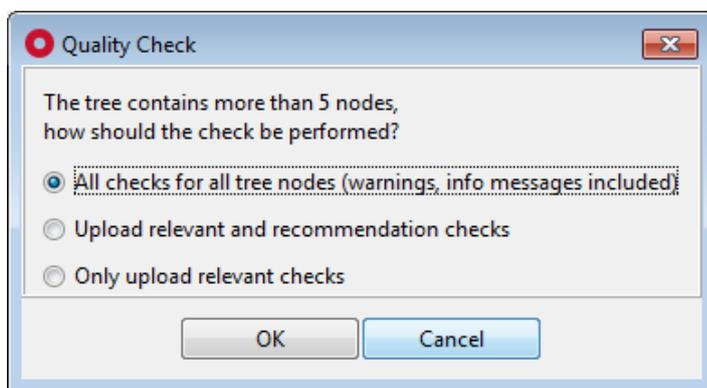


Figure 17 Quality check decision panel

Following options are possible:

- **All checks for all tree nodes (warnings, info messages included)**
All checks are done (including ones set to warning and info check categories) for all nodes in the datasheet.
- **Upload relevant and recommendation checks**
Only those nodes are checked which are in edit mode and the AQ checks for internally released supplier MDS and the checks as defined in the tab "**Recommendation checks**". Nodes which are internally released are only checked for their relational data to their parent node (e.g. amount of used parts).
- **Only upload relevant checks**
Only those nodes are checked which are in edit mode and the AQ checks for internally released supplier MDS. Nodes which are internally released are only checked for their relational data to their parent node (e.g. amount of used parts).

7.2 Check coverage

The main intention of the quality check is to check own MDS/modules before the upload to the IMDS online system, to avoid error messages during the upload process.

The following groups will be checked or can be configured:

- **IMDS and IHS release checks**

These checks verify whether the MDS/module is in line with the IMDS online system requirement are so that the upload can be done without error messages.
More necessary checks are performed to check preconditions for the upload as well.
Therefore the “**iMDS Standard checks**” cannot be changed for the check configuration “**IHS Quality Checker (relevance for upload)**” and the message type is set to check category “**Context**” to ensure an upload without errors.
- **Quality**

These checks help to improve the quality of a MDS/module and are available only in the iPCA.
The user must decide whether further activities for raised messages from the check are necessary or not.
- **Recommendation checks**

To verify that MDS/modules fulfil the IMDS recommendations, the existing recommendation checks can be used for the quality check.
The configured message type will be applied to all MDS/modules independently of their origin or their IMDS status. The user must decide whether further activities for raised messages are necessary.
- **Recipient checks**

These checks verify if the recipient data page is filled according to the requirements of customers (automotive suppliers or OEM).
For the recipient data checks the acceptance criteria which are available in IMDS are inserted as default. These checks can be modified in the parameter panel. By default, these checks are not active but can be activated by the user. If a recipient is contained within the MDS that recipient data are checked by using the values of the configuration.
OEM specific checks are additional checks required by OEMs which concern the whole tree structure of a MDS. They can be performed if an OEM is inserted as recipient into the MDS.
- **Jama/Japia checks (optional)**

If the Jama/Japia module is licensed as functional the Jama/Japia material check is available.
It checks whether a relation exists between the IMDS and Jama material and if the Jama joker is edited correctly.
The defined message type will be applied to all MDS/modules independently of their origin and the check category “**Context**” means that the text “**J/J Error**” will be show. This “**Error**” is not upload relevant and so the upload is not blocked.

PLEASE NOTE: The check configuration “**IHS Quality Checker (relevance for upload)**” is used for the upload check and for setting of MDS/module to the status “**IHS Ready**” irrespective of the defined “**Checks in use**”.

8 Recommendation check

8.1 Performing the recommendation check

The recommendation check can be triggered from loaded MDS/module by click on the  button.

Depending on the size of the checked MDS/module, the check is either done immediately or the quality check decision panel is shown (see **Figure 17**).

This helps to increase the performance of the check for of complex datasheets.

8.2 Check coverage

The recommendation checker is used amongst others in the “**SCM/USC Inbox Check**” to verify the received MDS from the supplier.

Therefore, the recommendations will be checked per default with those checks and parameters which are configured in this specific configuration.

If this is not desired the original IMDS Recommendations should be set by selecting “**Checks in use**” (see **chapter 5**).

9 Check categories

This master data panel allows to define check categories used for the definition of the weight for checks in the check configuration for received MDS from supplier (see **chapter 4.2.1.3**).

It can be accessed from the menu “**Extras → Master Data → Check categories**”.

PLEASE NOTE: Only user with activated permission “**ADMIN_IMDS_AIC**” can access check categories master data panel.

The check categories master data panel is split into four areas:

1. List of check categories (orange) - see **chapter 9.1.1**
2. Details of check category (blue) - see **chapter 9.1.2**
3. Change log table (black) - see **chapter 9.1.3**
4. Actions (green) - see **chapter 9.1.4**

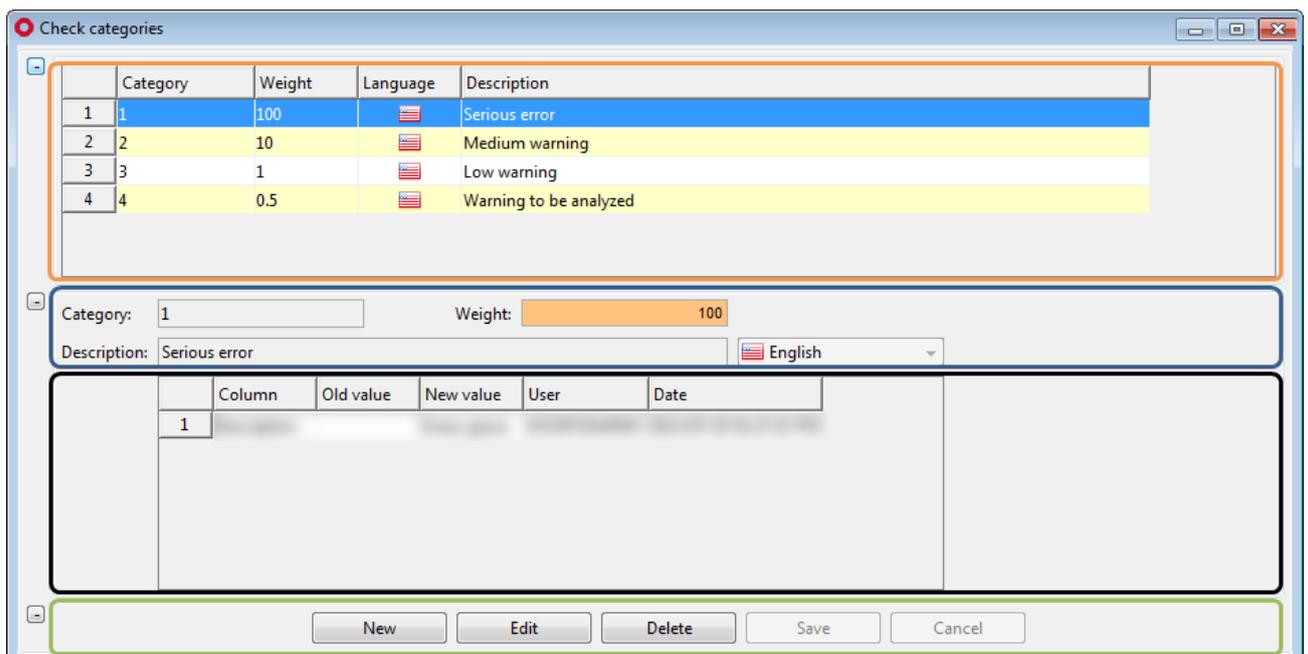


Figure 18 Check categories master data panel

9.1.1 List of check categories

Displays the list of all existing check categories.

Upon selection of the entry, all its details are displayed in the details of check category area.

Following information is available:

- **Category**
Internal ID of the check category generated upon first save of the check category

- **Weight**
Weight defined for the check category.
This is used for the calculation of the quality of the received MDS from the supplier.
- **Language**
Language flag of the check category description shown
- **Description**
Description of the check category shown in the language of the application

	Category	Weight	Language	Description
1	1	100		Serious error
2	2	10		Medium warning
3	3	1		Low warning
4	4	0.5		Warning to be analyzed

Figure 19 List of check categories in the check categories master data panel

9.1.2 Details of check category

Display the details of the selected check category or allow definition of a new check category.

Category:	<input type="text" value="1"/>	Weight:	<input type="text" value="100"/>
Description:	<input type="text" value="Serious error"/>		 English

Figure 20 Details of check category in the check categories master data panel

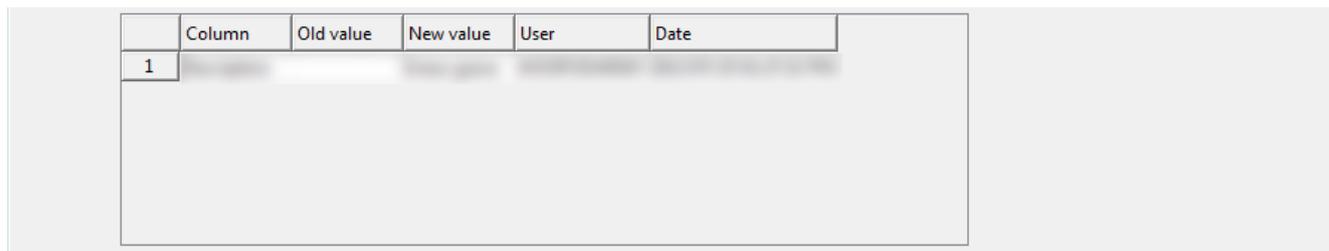
9.1.3 Change log table

This table displays change log for a check category selected in the list of check categories.

Following information is displayed:

- **Column**
Name of the detail of the check category defined or changed.
- **Old value**
Previous value of the detail of the check category detail displayed in the first column of the change log table.
If this is empty, the value was defined for the first time so the old value did not exist.
- **New value**
Actual value of the detail of the check category detail displayed in the first column of the change log table.

- **User**
MATSUB username of the user who defined new or changed existing value.
- **Date**
Date and time when the change was done.



	Column	Old value	New value	User	Date
1					

Figure 21 Change log table in the check categories master data panel

9.1.4 Actions

The following actions are available:

- **New**
Empties and activates fields in the details of check category area and wished check category can be defined (see **chapter 9.1.4.1**).
- **Edit**
Enables modification of the selected check category (see **chapter 9.1.4.2**).
- **Delete**
Deletes selected check category (**see chapter 9.1.4.3**).
- **Save**
Saves the new or updated check category.
Upon save, change log table to updated with new or updated values.
- **Cancel**
Cancels the creation or edit of the check category.



Figure 22 Actions in the check categories master data panel

9.1.4.1 New

New check category can be created by click on the “**New**” button.

This activates the details of check category area.

Following information must be defined:

- **Weight**
Weight defined for the check category.
Minimum value must be greater than “0” and maximum lower than “1000”.
- **Description**
Description of the check category.
Multiple languages are supported.
It is mandatory to define the description of the check category in the language, in which the application is started. To define description of the check category in different language, first the language needs to be selected and then the description is to be added.

PLEASE NOTE: Only user with activated permission “**ADMIN_IMDS_AIC**” can create the check category.

9.1.4.2 Edit

The details of the selected check category can be modified by click on the “**Edit**” button.

Once all changes are done, check category can be saved by click on the “**Save**” button. To cancel changes, click the “**Cancel**” button.

PLEASE NOTE: Only user with activated permission “**ADMIN_IMDS_AIC**” can edit the check category.

9.1.4.3 Delete

An existing check category can be deleted upon its selection and click on the “**Delete**” button. This will bring up a small pop-up window (see **Figure 23**). By click on the “**Yes**” button the check category will be deleted. By click on the “**No**” button, the derogation will be kept.

Assignment of the check category to any check in any check configuration is removed upon the deletion of the check category. Then, the check won’t have any check category defined.

PLEASE NOTE: Only user with activated permission “**ADMIN_IMDS_AIC**” can delete the check category.

PLEASE NOTE: The check categories pre-created by iPoint should not be deleted and recreated otherwise the final quality score of the MDS won’t be calculated correctly!

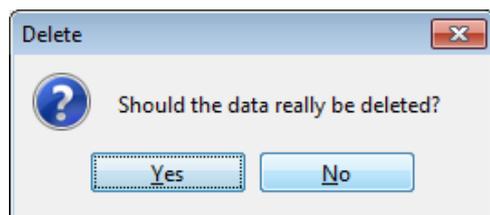


Figure 23 Confirmation of deletion of the check category

10 Available checks

10.1 IMDS and IHS release checks

These are checks relevant for the upload to the online IMDS system and for release of the MDS/module created in iPCA to the IHS ready state.

Check name	Message text	Description	Check Configuration
iMDS Standard Checks	Various, see chapter 10.1.1 for all details	Various, see chapter 10.1.1 for all details	IHS_QCHECK Own configuration
AQ warnings for referenced supplier's MDS	Various, see chapter 10.1.2 for all details	Various, see chapter 10.1.2 for all details	IHS_QCHECK Own configuration
Preliminary MDS flag set within, but not for parent node (released MDS)	MDSs/Modules flagged as preliminary MDS can only be referenced within a preliminary MDS/Module	If the preliminary MDS flag has been set within a MDS/Module then the parent node of MDS/module in internally released state must also be flagged the same. PLEASE NOTE: This check is displayed as read-only and is set to "No check" as per IMDS R11	IHS_QCHECK Own configuration

Table 2 IMDS and IHS release checks

10.1.1 IMDS standard checks

These checks are all upload relevant check and therefore are not visible in the check configuration called “**IHS Quality Checker (relevance for upload)**” as well as in any of its copies.

10.1.1.1 Completeness checks

Message text	Description	Check Configuration
Contact Person must be specified or is deleted	The contact person is not defined in the “Supplier data” page of the MDS yet	IHS_QCHECK Own configuration
Materials must be decomposed further into basic substances	The composition of the material is not defined yet.	IHS_QCHECK Own configuration
MDSs/Modules flagged as preliminary MDS can only be referenced within a preliminary MDS/Module	If the preliminary MDS flag has been set within a MDS/Module then the parent node of MDS/module in editable state must also be flagged the same.	IHS_QCHECK Own configuration
Module/MDS must be decomposed further	The composition of the component / semicomponent is not defined yet.	IHS_QCHECK Own configuration
Supplier’s org.unit must be specified	The organization unit is not defined in the “Supplier data” page of the MDS yet	IHS_QCHECK Own configuration
Specified contact person is REACH-only, an IMDS contact person is expected.	The contact person defined in the “Supplier data” page of the MDS is marked as “REACH” contact person in online IMDS system. Either different contact person needs to be selected or given person must be marked also as “IMDS” contact person (this is done by the IMDS company administrator in IMDS online system).	IHS_QCHECK Own configuration

Table 3 IMDS standard checks – Completeness checks

10.1.1.2 Polymeric parts marking checks

Message text	Description	Check Configuration
Question for polymeric mark is not answered yet	The polymeric parts marking question for a component, where the answer is required (based on the rules of the online IMDS system), is not answered yet.	IHS_QCHECK Own configuration
Weight of used polymeric materials requires a polymeric mark of 'Yes' or 'Not applicable'	The polymeric parts marking question for a component, where either the answer "Yes" or "Not Applicable" is required (based on the rules of the online IMDS system), is answered as "No".	IHS_QCHECK Own configuration

Table 4 IMDS standard checks – Polymeric parts marking checks

10.1.1.3 Amounts and weights checks

Message text	Description	Check Configuration
No percentage specified	The semicomponent / material underneath the semicomponent don't have the portion defined yet. The material / substance underneath the material don't have the portion defined yet.	IHS_QCHECK Own configuration
Sum of fixed values and range values is not 100%	The sum of the portions of semicomponents / materials added under semicomponents / materials is lower than 100%. PLEASE NOTE: Due to the weighted average, it might happen that the sum of the portions is not exactly 100% but that a discrepancy exists (also provided by the IMDS online system). Therefore, a deviation of +/- 0.000009% is treated as correct and no error is raised.	IHS_QCHECK Own configuration
The deviation between the measured component weight and the calculated weight exceeds the allowed maximum deviation.	The deviation between measured and calculated weight is greater than the maximum allowed deviation (based on the rules of the online IMDS system). The allowed deviation varies based on the weight of the component.	IHS_QCHECK Own configuration
The measured weight per item needs to be higher than zero.	The measured weight of the component / semicomponent / material is not defined yet.	IHS_QCHECK Own configuration

Message text	Description	Check Configuration
The Measured weight/Weight has to be at least 0.001 mg.	The measured weight of the component / semicomponent / material is lower than 0.001mg which is minimum allowed weight in IMDS online system.	IHS_QCHECK Own configuration
The Measured weight/Weight exceeds 1000 kg.	The measured weight of the component / semicomponent / material is greater than 1000kg which is maximum allowed weight in IMDS online system.	IHS_QCHECK Own configuration
The quantity must be one item at least!	The quantity of the component is not defined yet.	IHS_QCHECK Own configuration

Table 5 IMDS standard checks – Amounts and weights checks

10.1.1.4 Material/Basic substance checks

Message text	Description	Check Configuration
A so far confidential basic substance must not be used in a new material.	The substance marked as confidential is present in newly created material (e.g. by copying).	IHS_QCHECK Own configuration
No VDA classification specified	The material classification of the material is not defined yet.	IHS_QCHECK Own configuration
Please confirm that all GADSL substances have been declared.	The checkbox “All GADSL substances are declared” available in the material is not checked yet.	IHS_QCHECK Own configuration
Substances set as confidential must have a valid CAS- or EINECS/ELINCS-Number	The substance without valid CAS- or EINECS/ELINCS number marked as confidential is present in the material (this is possible only in case of old material datasheets).	IHS_QCHECK Own configuration
Symbol must be filled in for this VDA classification - Rule 4.4.2.F	The symbol for the material with material classification 5.1.a, 5.1.b, 5.2 and 5.3 is not defined yet.	IHS_QCHECK Own configuration
The chemical presence type has to be specified.	The chemical presence type for the substance belonging to the substance group “Process chemicals” present in the material with portion more than 0.1% is not defined yet.	IHS_QCHECK Own configuration
VDA classification is deleted	The material classification of the material is already deleted in the IMDS online system (e.g. 5.1 Thermoplastics)	IHS_QCHECK Own configuration

Message text	Description	Check Configuration
Wild cards must not be confidential.	The wildcard substance marked as confidential is present in the material (this is possible only in case of old material datasheets).	IHS_QCHECK Own configuration

Table 6 IMDS standard checks – Material/Basic substance checks

10.1.1.5 Recyclate information checks

Answer on the question “**Does the material contain recyclate?**” for a newly inserted material with material classification 1-5 is set by default to “**No**”.

But as soon as the answer is changed to “**Yes**” the percentages must be answered correctly.

Message text	Description	Check Configuration
Recyclate information incomplete	The question “Does the material contain recyclate?” is answered as “Yes” but the values in “from” and “to” fields for Content of post-industrial/pre-consumer and post-consumer recyclate are not defined yet	IHS_QCHECK Own configuration
Recyclate information not defined	If old MDS/module use materials for which no recyclate information is defined, the upload check for sending/proposing generates an error message even in case that the top-level node is internally released. But if such a MDS/Module is referenced no error message will be shown for the upload check. However, the message type of the Q-Checker will be generated as defined in the check configuration independently from any upload error message.	IHS_QCHECK Own configuration
Recyclate question must be answered with 'Yes' or 'No'	The question “Does the material contain recyclate?” is answered as “Not Yet Answered” for the material with material classification 5.x which weight is above 5g	IHS_QCHECK Own configuration
Recyclate values ‘from’ > ‘to’	The value(s) defined in the “from” field(s) for Content of post-industrial/pre-consumer or(and) post-consumer recyclate is(are) greater than value(s) defined in “to” field	IHS_QCHECK Own configuration
Sum of Recyclate values greater than 100	The sum of values defined in “from” fields for Content of post-industrial/pre-consumer and post-consumer recyclate is larger than 100	IHS_QCHECK Own configuration
The difference between the minimum and the maximum of the post-consumer	The difference between the values defined in the “to” and “from” fields for Content of post-consumer recyclate is greater than 20	IHS_QCHECK Own configuration



Message text	Description	Check Configuration
recyclate exceeds the maximum range of 20%		
The difference between the minimum and the maximum of the post-industrial recyclate exceeds the maximum range of 20%	<p>The difference between the values defined in the “to” and “from” fields for Content of post-industrial/pre-consumer recyclate is greater than 20.</p> <p>Since change done in IMDS in September 2019, the severity was changed from “ERROR” to “WARNING”.</p>	IHS_QCHECK Own configuration

Table 7 IMDS standard checks – Recyclate information checks

10.1.1.6 Status checks

Message text	Description	Check Configuration
MDS is already in Handshake	<p>The MDS was sent in status “Edit mode” and is now waiting for the response of the customer.</p> <p>Until then the MDS cannot be sent again and if this MDS is used in another MDS this one will also not be able to be sent until the first customer did not accept or reject the first MDS.</p>	IHS_QCHECK Own configuration
Module/MDS is cancelled	The mentioned MDS/Module has been cancelled by the sender.	IHS_QCHECK Own configuration
Module/MDS is deleted in IMDS	The corresponding MDS/Module was deleted in the IMDS online system or cancelled by the sender. It must not be used further although it may be already internally released.	IHS_QCHECK Own configuration
Module/MDS is in Edit mode	<p>The mentioned MDS/Module is in edit mode. It does not contain an IMDS ID or it is not internally released in the IMDS online system.</p> <p>During the setting of the status “IHS Ready” for the top-level node it will be also be set to “IHS Ready” and will be changed automatically to “internally released” when uploaded.</p>	IHS_QCHECK Own configuration



Message text	Description	Check Configuration
Module/MDS is rejected	The mentioned MDS/Module has been rejected. This check is for security reasons: if a not yet accepted MDS will be used in a MDS/Module and it will be rejected later then this message will appear. It will also be shown to identify a MDS that was sent by a supplier and has been rejected by the recipient.	IHS_QCHECK Own configuration
Substance is deleted in IMDS	The mentioned basic substance has been deleted in the IMDS online system and must not be used any further in own MDS (although they may be internally released).	IHS_QCHECK Own configuration
The customer part number "<partNo>" and supplier code "<sup.Code>" cannot be used as th MDS has already been forwarded with following IMDS-ID: <MDS Id>.	The forwarded MDS has already been sent with a new version and therefore cannot be used for another recipient if there exists already a sent MDS with the corresponding part no/supplier code combination for that recipient.	IHS_QCHECK Own configuration
The customer part number "<partNo>" and supplier code "<sup.Code>" has already been sent, the MDS will be forwarded as following IMDS-ID: <MDS Id>.	If an own forwarded MDS has already been send the corresponding MDS ID must be provided. This can be done in the checker result screen with the button "Set MDS version". The forwarded MDS has already been sent and an additional recipient with another part no/supplier code combination has been added for whom also an already sent MDS exist.	IHS_QCHECK Own configuration
The customer part number "<partNo>" and supplier code "<sup.Code>" has already been used for following IMDS-ID(s): <List of sent MDS Ids>	If the sender has already sent a MDS to the recipient company with the same part number and the same supplier code then the sending MDS must have the same IMDS ID as already sent MDS has.	IHS_QCHECK Own configuration
The MDS/module has been deactivated but the reference in previously created MDS/modules is still valid.	The corresponding foreign MDS has been deleted in the IMDS online system but can be referenced further.	IHS_QCHECK Own configuration
The MDS is a forwarded MDS and must not used within the tree structure. Please reference the original MDS <IMDS-ID> instead.	A forwarded MDS has been created from an accepted received MDS and contains only restricted editing permissions. Such a MDS must not be used in other, own MDS – for that case the original MDS must be referenced.	IHS_QCHECK Own configuration

Message text	Description	Check Configuration
The preceding MDS/Module does not exist for creating a new version	For the MDS/Module with version 999.xx no preceding MDS/Module exists any more. It can only be uploaded with a different IMDS-ID and therefore must be copied before. It is recommended to delete the old MDS/Module with version 999.xx in his afterwards.	IHS_QCHECK Own configuration
The substance has been deactivated but the reference in previously created MDS/modules is still valid	The mentioned basic substance has been deleted in the IMDS online system but is contained in a foreign MDS which is further referenced.	IHS_QCHECK Own configuration
The Substance is hidden in IMDS	The mentioned basic substance has been hidden in the IMDS online system.	IHS_QCHECK Own configuration

Table 8 IMDS standard checks – Status checks

10.1.1.7 Recipient data checks

10.1.1.7.1 General

Message text	Description	Check Configuration
Customer part No. must be specified within the recipient data	For the specified recipient no part number has been specified yet in the “Customer-Part-/Item-/Mat.-No.” field.	IHS_QCHECK Own configuration
Recipient is deleted in IMDS	One of the recipient’s organization units has been deleted in the IMDS online system. Therefore, no send or propose action is possible.	IHS_QCHECK Own configuration

Table 9 IMDS standard checks – Recipient data checks – General

10.1.1.7.2 Supplier number format checks

Checks if the supplier number defined in the recipient data is the format as required by the IMDS online system.

This check varies for recipient.

Because there is ambiguous information regarding the format of the supplier number, the message types are configurable.

For Chrysler, Daimler and Renault a warning will be generated only if the format specification is violated, for all other OEMs an error message will be shown. If these types shall be changed please refer to the iPoint Support.

Message text	Description	Check Configuration
A 9-digit Manufacturing DUNS®-No is required with format xx-xxx-xxxx.	GM Volkswagen	IHS_QCHECK Own configuration
The supplier no. has to be composed of 5-7 characters.	Chrysler This message is displayed as a warning.	IHS_QCHECK Own configuration
The supplier no. has to be composed of 5-7 characters.	Daimler This message is displayed as a warning in case the value in the "Supplier Code" field in the recipient data page of the MDS is not defined yet.	IHS_QCHECK Own configuration
The supplier no. has to be a 5-/8-digit number or 6-/7 with 2 characters or > 8 digits.	Daimler This message is displayed as a warning in case that incorrect value is defined in the "Supplier Code" field in the recipient data page of the MDS.	IHS_QCHECK Own configuration
The supplier no. must not be empty.	Fiat Auto Mazda Motor Corporation Toyota Motor Corporation Nissan Motor Corporation	IHS_QCHECK Own configuration
The supplier no. has to be the 4-digit 'GSDB Parent Code'.	Ford Motor Company Jaguar Land Rover	IHS_QCHECK Own configuration
The supplier no. has to be the 5-digit "Parent Code".	Aston Martin Lagonda	IHS_QCHECK Own configuration
Please enter the 5-digit VCC supplier site code.	Volvo Car Corporation	IHS_QCHECK Own configuration
The supplier no. has to be a 6-digit number.	Renault	IHS_QCHECK Own configuration



Message text	Description	Check Configuration
	This message is displayed as a warning.	
The supplier no. has to be a 2-6-digit number.	Volvo Group	IHS_QCHECK Own configuration

Table 10 IMDS standard checks – Recipient data checks – Supplier number

10.1.1.7.3 Additional fields checks

Dependent on the recipient the following additional fields must be edited. They will have upload relevance if they are not empty.

Message text	Description	Check Configuration
The DGT level has to be a 3-digit number.	Daimler This message is displayed as a warning in case no value is entered in the “drawing geometry technical level” field. As soon as the incorrect value is entered, this message is displayed as an error.	IHS_QCHECK Own configuration
The Supplementary code 1/2 has to be composed of 4 characters.	Daimler This message is displayed as an error in case the incorrect value(s) is(are) entered in the “supplementary code1” and(or) “supplementary code2” field(s).	IHS_QCHECK Own configuration
The Supplier Site code has to be composed of 5 characters.	Aston Martin Lagonda Ford Motor Company Jaguar Land Rover This message is displayed as an error in case the incorrect value is entered in the “Supplier Site Code” field.	IHS_QCHECK Own configuration



Message text	Description	Check Configuration
	The supplier site code must be a 5-digit number. During the upload the combination with the supplier number (4/5-digit GSDB-/Parent Code) is checked by the IMDS online system.	
Please enter a correct index of the Renault part.	Renault This message is displayed as an error in case the value is not entered in the “Index Renault part” field yet.	IHS_QCHECK Own configuration
E-mail address of the designer has to be entered.	Renault This message is displayed as an error in case the no value is entered in the “Index Renault part” field.	IHS_QCHECK Own configuration
Please enter a correct index of the standard.	Renault This message is displayed as an error in case the value is not entered in the “Index of the standard” field yet.	IHS_QCHECK Own configuration
The recipient does not accept preliminary MDSs (also for included MDS/modules).	Renault Scania This message is displayed as an error in case the top level of the MDS or any MDS/modules contained within it are marked as “Preliminary MDS”	IHS_QCHECK Own configuration
The recipient does not accept preliminary MDSs: included MDS/module.	Renault Scania This message is displayed as an error in case any MDS/module contained in the checked MDS is marked as “Preliminary MDS”	IHS_QCHECK Own configuration
The part no. has to be composed of 10 characters.	Chrysler This message is displayed as a warning.	IHS_QCHECK Own configuration

Table 11 IMDS standard checks – Recipient data checks – Additional fields

10.1.1.7.4 Additional data for OEMs checks

If for an OEM recipient additional data have been provided the checks for applications not set, for recycle information and for polymeric marking are also performed.

These checks comprise only the upload relevant checks and not additional Quality Checks which are available for the Q-Checker or for the SCM/USC/AIC checks.

10.1.1.8 Application codes checks

Message text	Description	Check Configuration
AQ not editable, please create a new version of the component!!	An own MDS/Module was referenced with at least one supplier's material for which the application code must be set but it was not (older data). As that own MDS/Module has been already internally released, a new version must be created to answer the application code.	IHS_QCHECK Own configuration
AQ not selected	The application code is not set for the substance exempted in the Annex II.	IHS_QCHECK Own configuration
AQ not set	The application code is not set (this happens only in case of elder MDS). If an OEM is set as a recipient, the application codes must be set (also as recipient specific data). However it is recommended to request a new version of affected datasheet which then should contain the application codes set.	IHS_QCHECK Own configuration
AQ no longer valid	The application code set for the substance has been meanwhile set as "inactive" in the IMDS online system and must not be used any longer. PLEASE NOTE: This message is not raised for application codes set as "hidden" in IMDS online system (this status was introduced with IMDS Release 12)	IHS_QCHECK Own configuration
The application "Not applicable" for PAHs is not valid for materials with a weight above 1000g (per component).	The application code set for the substance from the substance group PAH used in the material with material classification 5.3 is not suitable. This message is raised only in case the material weight (summarized per part) exceeds 1000g.	IHS_QCHECK Own configuration

Table 12 IMDS standard checks – Application codes checks

10.1.2 AQ warnings for referenced supplier's MDS checks

Message text	Description	Check Configuration
AQ not editable, please create a new version of the component!		IHS_QCHECK Own configuration
AQ not selected	The application code is not set for the substance exempted in the Annex II.	IHS_QCHECK Own configuration
AQ not set	The application code is not set (this happens only in case of elder MDS). If an OEM is set as a recipient, the application codes must be set (also as recipient specific data). However it is recommended to request a new version of affected datasheet which then should contain the application codes set.	IHS_QCHECK Own configuration
AQ no longer valid	The application code set for the substance has been set as “inactive” in the IMDS online system and must not be used any longer.	IHS_QCHECK Own configuration
AQ was added for an accepted MDS and can be sent only to OEM		IHS_QCHECK Own configuration
Invalid application	The application code set for the substance has been meanwhile set as “inactive” in the IMDS online system and must not be used any longer. PLEASE NOTE: This message is not raised for application codes set as “hidden” in IMDS online system (this status was introduced with IMDS Release 12)	IHS_QCHECK Own configuration
The application "Not applicable" for PAHs is not valid for materials with a weight above 1000g (per component)	The application code set for the substance from the substance group PAH used in the material with material classification 5.3 is not suitable. This message is raised only in case the material weight (summarized per part) exceeds 1000g.	IHS_QCHECK Own configuration

Table 13 AQ warnings for referenced supplier's MDS checks

10.1.3 Quality checks

Check name	Message text	Description	Check Configuration
Material is containing deleted or hidden basic substance	The substance is deleted or hidden in IMDS	<p>The mentioned basic substance has been hidden or deleted in the IMDS online system.</p> <p>PLEASE NOTE: The substance “Confidential Substances” is provided by IMDS AI as “hidden”. This can, but also may not be in line with the status of the real substance(s) set as confidential. In order to confusion and avoid redundant rejections from iPCA 14.09.000 this check ignored presence of this substance in the material.</p>	MODULE_SCM
Material name contains symbol (material classification 5.1.x, 5.2, 5.3)	The material name does not contain correct symbols	<p>Name of the material with material classification 5.1.x / 5.2 / 5.3 does not contain the symbol.</p> <p>At first, blanks, hyphens, plus signs and angle brackets are deleted from the material name (from IMDS Release 12 only English) and from the symbol. Then the (shortened) name is compared with the symbol and if the (shortened) symbol is not contained in the (shortened) names a message text is created.</p>	MODULE_SCM IHS_QCHECK Own configuration
Material Substance Check SC90 - Type 1	<p>A material of classification <x> must contain more than <y>% of the substance / substances of the substance group “<z>”.</p> <p>A material of classification <x> must not contain more than <y>% substances of the substance group “<z>”.</p>	<p>Materials of a specific classification either must be or must not be a defined content of a specific substance or substances of a specific substance group. Only root material of the complex material is checked. In case that the root material node belongs to a pseudo company, check is not performed at all.</p> <p>For more details see the IMDS document “warning_errors_in_imds_7.0.xls”, chapter “Material Substance Check (SC90)”.</p>	MODULE_SCM IHS_QCHECK Own configuration

Check name	Message text	Description	Check Configuration
Material Substance Check SC90 - Type 2	The material contains more than <x>% of the substance / substances of the substance group "<y>", but has an inappropriate classification <z>.	Materials with content of a specific substance or of a substance group are only valid with specific possible classifications. For more details see the IMDS document " warning_errors_in_imds_7.0.xls ", chapter " Material Substance Check (SC90) ".	MODULE_SCM IHS_QCHECK Own configuration
Material Substance Check SC90 - Type 3	A liquid or a gaseous basic substance normally is not contained in a solid material. A reactive basic substance normally is not contained in a finished material. Ions do not exist in a pure manner and therefore cannot be an individual content of a material.	Basic substances of specific substance groups should only be used up to a defined percentage. For more details see the IMDS document " warning_errors_in_imds_7.0.xls ", chapter " Material Substance Check (SC90) ".	MODULE_SCM IHS_QCHECK Own configuration
Material with only one basic substance (all classifications)	Material contains only one basic substance	A material is disclosed as consisting of one basic substance only. Normally this is not correct.	IHS_QCHECK Own configuration
Material with only one basic substance - Guideline 4.4.1.a	A polymer material contains only one basic substance.	A material with material classification 5.x or 6.x is disclosed as consisting of one basic substance only.	MODULE_SCM IHS_QCHECK Own configuration
MDS/Module dropped	MDS/Module is sorted out	The MDS/Module was sorted out manually or by the company/organization unit and should not be used anymore.	IHS_QCHECK Own configuration
MDS/Module not actual version	MDS/Module is not the current version	For the checked version, newer MDS/Modules with the same IMDS ID exist with a higher IMDS version number. This check is not executed for the top-level node of the check action.	IHS_QCHECK Own configuration
Name starts with prefix "Copy_" or "Kopie_"	Node is copied and its name starts with "Copy_" or "Kopie_". Please correct.	The name of a MDS/Module which was copied in IMDS was not correctly changed to acceptable description. Some recipients reject such MDS/Modules.	MODULE_SCM IHS_QCHECK Own configuration



Check name	Message text	Description	Check Configuration
Norm ISO 18064 (Mat.classific. 5.2)	Material (5.2) does not contain a norm "ISO 18064"	The norm "ISO 18064" is not defined for a material with material classification 5.2. The entry "EN ISO" or additional data for the code (e.g. "-5", "5") are possible as well	IHS_QCHECK Own configuration
Parts marking check according NES D0031	This part is not marked as required by the latest versions of the NES M0302 - Substance data input standard by IMDS and NES D0031 - Marking of Polymeric Parts'	For materials with the classification 5.x the polymeric marking was not answered. This check is as per Nissan's requirements. The check is performed independently of the part weight.	MODULE_SCM IHS_QCHECK
Polymer Marking answered with no	Question for polymeric mark is answered by 'No'	The polymeric parts marking question has been answered as "No". This message is shown independently from the weight.	MODULE_SCM IHS_QCHECK Own configuration
Polymer marking answered with N/A	Question for polymeric mark is answered by 'Not Applicable'	The polymeric parts marking question has been answered as "Not Applicable" and but based on the weight of polymeric materials under a component, this answer is not appropriate.	MODULE_SCM IHS_QCHECK Own configuration
Polymer Marking not answered	Question for Polymeric mark is not answered yet	The polymeric parts marking question for a component, where the answer is required (based on the rules of the online IMDS system), is not answered yet.	MODULE_SCM
Polymeric parts Marking	Question for Polymeric mark is not answered yet	If the complete weight of the polymeric materials exceeds a specified limit (100g or 200g) an answer to the polymeric parts marking question is mandatory. The check creates a message <ul style="list-style-type: none">if that mandatory question has not been answered, i.e. the parts marking is not set (first text) or a mandatory question has been answered with "No" (second text)	MODULE_SCM



Check name	Message text	Description	Check Configuration
Polymeric parts Marking	Weight of used polymeric materials requires a polymeric mark of 'Yes' or 'Not applicable'		
Received MDS in handshake mode	MDS sent in handshake mode cannot be accepted. Please submit using 'propose'.	The MDS was sent by the supplier instead of using propose function.	MODULE_SCM Own configuration
Received MDS set as preliminary MDS	Preliminary MDS flag is set in received MDS.	Checks if the flag " Preliminary MDS " flag is set: For Q-checker: in the structure tree for referenced internally released foreign MDS For SCM/USC/AIC: in the root node of the received MDS.	MODULE_SCM IHS_QCHECK Own configuration
Recyclate Information	Recyclate information not defined	The recyclate question is not answered for material with material classification 1-5. This includes older data in which no information could be entered for a material.	MODULE_SCM IHS_QCHECK Own configuration
Specific Weight and dimension in semi component MDS not given	The specific weight or the dimension has not been indicated	There is no value and dimension defined in the " Specific Weight " field.	MODULE_SCM Own configuration
Weight deviation for part	The deviation between the measured component weight and the calculated weight exceeds the allowed maximum deviation.	The deviation between measured and calculated weight is greater than the maximum allowed deviation (based on the rules of the online IMDS system). The allowed deviation varies based on the weight of the component.	MODULE_SCM IHS_QCHECK Own configuration

Table 14 Quality checks



10.1.4 Jama/Japia checks (optional)

Check name	Message text	Description	Check Configuration
Jama Material mapping and Jama wildcards	Jama/Japia material is not assigned	For each IMDS material a Jama/Japia material must be assigned for the mapping of the two systems.	IHS_QCHECK Own configuration
Jama Material mapping and Jama wildcards	One or more fields of the Jama/Japia material contain wildcards	For specific material classifications, the Jama/Japia material name, material code, - symbol or the norms contain the wildcards "\$" or "@". These wildcards must be deleted or replaced otherwise the Jama/Japia material is not defined correctly.	IHS_QCHECK Own configuration

Table 15 Jama/Japia checks

10.1.5 Recommendation checks

10.1.5.1 Recommendation 001 - Tree structure checks

Check name	Message text	Description	Check Configuration
Tree Composition - Rule 4.1.A/4.2.1.A/4.3.1.A/4.4.1.A	<p>In case the parameter for tree structure check is set to “Followed by Recommendations” the message is: Node has a mixture of structure types – Rule 4.1.A</p> <p>In case the parameter for tree structure check is not set to “Followed by Recommendations” the message is: <Component/Semicomponent/</p>	<p>Below a node there are different types of nodes (e.g. material and component) on one level which is not allowed as per IMDS rules.</p> <p>The user can define for which level the structure check shall be executed by modification of parameters in the tab “Tree structure”: - “Followed by Recommendations” Checks of the tree structure according to the IMDS Recommendations (i.e. for all levels)</p>	MODULE_SCM IMDS_RECOM IHS_QCHECK Own configuration

Check name	Message text	Description	Check Configuration
	Material> has a mixture of structure types: <description> - Rule 4.1.A	- "Checks with the other possibilities are not successful if the tree contains different types of nodes on the same level, e.g. if a component and a material are used below the same parent node.	
Tree Composition - Rule 4.1.A/4.2.1.A/4.3.1.A/4.4.1.A	The usage of basic substances is allowed within materials only - Rule 4.2.1.A/4.3.1.A	A component or semi-component is directly referencing a basic substance. (this is possible only in case of very old MDSs/modules)	MODULE_SCM IMDS_RECOM IHS_QCHECK Own configuration
Tree Composition - Rule 4.1.A/4.2.1.A/4.3.1.A/4.4.1.A	A complex material parent node must have at least two material child nodes attached to it - Rule 4.4.1.A	A material parent must contain at least one substance or two material child nodes. The check of the substance is checked by the common structure check that a MDS/Module must be further decomposed.	MODULE_SCM IMDS_RECOM IHS_QCHECK Own configuration

Table 16 Recommendation checks – Recommendation 001 – Tree structure checks

10.1.5.2 Recommendation 001 - Range checks

Check name	Message text	Description	Check Configuration
Substance Ranges - Rule 4.5.4.B	Substance content not within the allowed range - Rule 4.5.4.B	The defined range for a substance is too large. Allowed ranges for this check can be changed in the parameter tab " Ranges " by selecting " REC001 ".	MODULE_SCM IMDS_RECOM IHS_QCHECK Own configuration
Substance Ranges (small parts 5g)	Substance content not within the allowed range	The defined range for a substance is too large. With the introduction of the IMDS release 6.1 less restrictive check rules are applied to materials used in small parts independent of the material classification. A small part is defined as a part with a measured weight less than 5g. This	MODULE_SCM IMDS_RECOM IHS_QCHECK Own configuration

Check name	Message text	Description	Check Configuration
		<p>general portion range applies to all basic substances in the materials of the concerned part, except for substances labelled D (= duty-to-declare), P (= prohibited) or D/P in the GADSL (for these parts the usual ranges as listed in Recommendation 001 apply). With the changes of the recommendation in February 2010 there is no secure statement about this check and therefore it should be deactivated.</p> <p>If this check configuration is not selected the ranges will be checked according to other selected Substance Ranges check configurations.</p> <p>Allowed ranges for this check can be changed in the parameter tab "Ranges" by selecting "SMALL_PARTS".</p>	
SemiComponent Ranges - Rule 4.3.2.B	Portion not within the allowed range - Rule 4.3.2.B/4.4.3.B	<p>The specified range of a semi-component (below a semi-component) is too large.</p> <p>Allowed ranges for this check can be changed in the parameter tab "Ranges" by selecting "SEMICOMPONENT".</p>	MODULE_SCM IMDS_RECOM IHS_QCHECK Own configuration
Material Ranges - Rule 4.4.3.B	Portion not within the allowed range - Rule 4.3.2.B/4.4.3.B	<p>The specified range of a material (below a material or semi-component) is too large.</p> <p>Allowed ranges for this check can be changed in the parameter tab "Ranges" by selecting "MATERIAL".</p>	MODULE_SCM IMDS_RECOM IHS_QCHECK Own configuration

Table 17 Recommendation checks – Recommendation 001 – Range checks

10.1.5.3 Recommendation 001 - Material checks

Check name	Message text	Description	Check Configuration
Material trade name check - Rule 4.4.2.B	Material name must not be a trade name – Rule 4.4.2.B	The trade name of the material must not be the same as the standard name of the material.	MODULE_SCM IMDS_RECOM IHS_QCHECK Own configuration
Public Norms/Standards for material (Mat.classific. 1-4) - Rule 4.4.2.H	Material does not contain a public norm. - Rule 4.4.2.H/I	A public norm for the material with material classification 1-4 is not defined. PLEASE NOTE: In some cases, special materials of this category do not fit to a norm. In these cases, no norm is required. The user must decide in these cases, whether a missing norm is really an error or not.	MODULE_SCM IMDS_RECOM IHS_QCHECK Own configuration
Public Norms/Standards for material (Mat.classific. 5) - Rule 4.4.2.H	Material does not contain a public norm. - Rule 4.4.2.H/I	A public norm for the material with material classification 5 is not defined. PLEASE NOTE: In some cases, special materials of this category do not fit to a norm. In these cases, no norm is required. The user must decide in these cases, whether a missing norm is really an error or not.	MODULE_SCM IMDS_RECOM IHS_QCHECK Own configuration
Public Norms/Standards for material (small parts 5g)	Material does not contain a public norm. - Rule 4.4.2.H/I	If this check should be performed also for small parts then the configuration should be activated. PLEASE NOTE: This check is no more supported since the recommendation changes of February 2010 and therefore it should be deactivated.	MODULE_SCM IMDS_RECOM IHS_QCHECK Own configuration
Std. Material No - Rule 4.4.2.E	Std.Mat. No. must be filled in for this VDA classification - Rule 4.4.2.E	The standard material number for the material with material classification 1-4 is not defined.	MODULE_SCM IMDS_RECOM IHS_QCHECK Own configuration



Check name	Message text	Description	Check Configuration
Std. Material No (small parts 5g)	Std.Mat. No. must be filled in for this VDA classification - Rule 4.4.2.E	<p>If this check should be performed also for small parts then the configuration should be activated.</p> <p>PLEASE NOTE: This check is no more supported since the recommendation changes of February 2010 and therefore it should be deactivated.</p>	MODULE_SCM IMDS_RECOM IHS_QCHECK Own configuration
Symbol check (Mat.cat. of REC003, REC010, REC013) - Rule 4.4.2.F	Symbol must be filled in for this VDA classification - Rule 4.4.2.F	<p>The symbol for the material must be defined for parts with more than 5g weight.</p> <p>This check is for the Q-Checker upload relevant independently from the weight and therefore is done without any configuration possibility.</p> <p>For recommendation 010: only checked for category 5.1.x, for structured materials in the top material.</p>	MODULE_SCM IMDS_RECOM IHS_QCHECK Own configuration

Table 18 Recommendation checks – Recommendation 001 – Material checks

10.1.5.4 Recommendation 001 - Basic substance checks

The values for maximum allowed sum of wildcards and confidential substances can be configured as per company requirements in the parameter tab “Substance limits”.

Check name	Message text	Description	Check Configuration
Sum of percentages for Wild Cards - Rule 4.5.2.C/4.5.3.E/5.1.A	Total amount of wildcards exceeds maximum - Rule 4.5.2.C/4.5.3.E/5.1.A: <listing of values>	<p>The sum of all wildcards (CAS Number = „system“) is larger than 10%.</p> <p>PLEASE NOTE: the calculated value for a wildcard declared as “Remainder” may differ from the value which appears in the</p>	MODULE_SCM IMDS_RECOM IHS_QCHECK Own configuration

Check name	Message text	Description	Check Configuration
		<p>detail information because this value is calculated from the difference of the “From” or for the “To” value to the 100% limit. More detailed information is available in the FAQ section of the IMDS online system.</p> <p>PLEASE NOTE: In case the child materials defined in a range in the complex material contains wildcard substance(s), the average portion of the child material is taken into the formula for calculation of amount of joker in the complex material.</p>	
Sum of percentages for Confidential Substances - Rule 4.5.2.C/4.5.3.E/5.1.A	Total amount of confidential substances exceeds maximum - Rule 4.5.2.C/4.5.3.E/5.1.A: <listing of values>	<p>The sum of all confidential basic substances (CAS Number = „****“ or marked as confidential) is larger than 10%.</p> <p>PLEASE NOTE: The same calculation as for the amount of wildcards is applied for confidential substances, see hint above.</p> <p>PLEASE NOTE: In case the child materials defined in a range in the complex material contains confidential substance, the average portion of the child material is taken into the formula for calculation of amount of joker in the complex material.</p>	MODULE_SCM IMDS_RECOM IHS_QCHECK Own configuration
Sum of percentages for Wild Cards + Confidential Substances - Rule 4.5.2.C/4.5.3.E/5.1.A	Total amount of confidential substances and wildcards exceeds maximum - Rule 4.5.2.C/4.5.3.E/5.1.A: <listing of values>	<p>The sum of all wildcards and all confidential substances is larger than 10%.</p> <p>PLEASE NOTE: See the hint above regarding wild card and confidential substances set to “Remainder”.</p> <p>PLEASE NOTE: In case the child materials defined in a range in the complex material contains confidential and wildcard substance(s), the average portion of the child material is</p>	MODULE_SCM IMDS_RECOM IHS_QCHECK Own configuration



Check name	Message text	Description	Check Configuration
		taken into the formula for calculation of amount of joker in the complex material.	
Wild card no longer available	Use of wildcard which is not longer available	A deleted wildcard is used in a material. This check can be configured as customer specific and is activated by default.	MODULE_SCM IMDS_RECOM IHS_QCHECK Own configuration
Wild card "not yet specified" used in non-preliminary MDS - Rule 4.5.3.H	The Wild card "not yet specified" is only allowed in materials marked as preliminary MDS - Rule 4.5.3.H.	The wildcard " not yet specified, not to declare " is used in the material which is not marked a preliminary MDS. ATTENTION: As the preliminary flag is only available for parent MDS/module this check is done only for parent materials.	MODULE_SCM IMDS_RECOM IHS_QCHECK Own configuration

Table 19 Recommendation checks – Recommendation 001 – Basic substance checks

10.1.5.5 Recommendation 001 - Change management checks

The change management checks are for rules 3.2.2.A and 3.2.2.B detailed in the chapter 3.2.2 in the Recommendation 001 document.

Check is done against the top-level node.

The check "**Change Management - Rule 3.2.2.A/B**" picks the datasheets for comparison with a currently checked datasheets based on below described rules:

- **Rule 3.2.2.A**
 - Quality check
 - MDS is active in IMDS online system (own MDSs set to obsolete in IMDS online system and MDSs hidden or deleted only in iPCA are considered)
 - MDS has the same IMDS Module ID as the current MDS

- MDS belongs to any of own organization unit as the current MDS (i.e. if current MDS belongs to own organization unit with ID 123 and other MDSs belong to own organization unit with ID 156 also these are checked)
- MDS was sent to the same recipient organization unit as the current MDS (i.e. if current MDS was submitted to recipient organization unit with ID 106, only other MDSs submitted to this recipient organization unit are checked)
- MDS is most recently accepted by the recipient (i.e. if two versions of the same MDS were sent to the recipient as used in the current MDS, where version 1.00 was accepted later than version 2.00, version 1.00 is picked)
- Inbox check
 - MDS is active in IMDS online system (own MDSs set to obsolete in IMDS online system and MDSs hidden or deleted only in iPCA are considered)
 - MDS has the same IMDS Module ID as the current MDS
 - MDS is received in any of own organization unit as the current MDS (i.e. if current MDS is received in own organization unit with ID 123 and other MDSs are received in own organization unit with ID 156 also these are checked)
 - MDS is sent by the same supplier organization unit as the current MDS (i.e. if current MDS is sent by supplier organization unit with ID 106, only other MDSs submitted from this supplier organization unit are checked)
 - MDS is most recently accepted by the own company (i.e. if two versions of the same MDS were received and accepted, where version 1.00 was accepted later than version 2.00, version 1.00 is picked)
- **Rule 3.2.2.B**
 - Quality check
 - MDSs are active in IMDS online system (own MDSs set to obsolete in IMDS online system and MDSs hidden or deleted only in iPCA are considered)
 - MDSs of the same type as the current MDS (i.e. if current MDS is semi-component, only other semi-components MDSs are checked)
 - belong to the same own org. unit as the current MDS (i.e. if current MDS belongs to own org. unit with ID 123, only other MDSs belonging to this own org. unit are checked)
 - MDSs are submitted to the recipient, regardless of the recipient status (i.e. sent & proposed MDSs in any recipient status are considered - except for internal iPCA recipient statuses when the recipient was not uploaded to IMDS yet)
 - MDSs are submitted to the same recipient organization unit as the current MDS (i.e. if current MDS is submitted to recipient organization unit with ID 106, only other MDSs submitted to this recipient organization unit are checked)
 - MDSs have the same recipient part number and recipient supplier code as in the current MDS

- Inbox check
 - MDS is active in IMDS online system (own MDSs set to obsolete in IMDS online system and MDSs hidden or deleted only in iPCA are considered)
 - MDSs of the same type as the current MDS (i.e. if current MDS is semi-component, only other semi-components MDSs are checked)
 - MDSs are received in the same own organization unit as the current MDS regardless of the recipient status (i.e. if current MDS is received in own organization unit with ID 123, only other MDSs in any recipient status received in this own organization unit are checked)
 - MDSs are sent by the same supplier organization unit as the current MDS (i.e. if current MDS is sent by supplier organization unit with ID 106, only other MDSs sent by this supplier organization unit are checked)
 - MDSs have the same recipient part number and recipient supplier code as in the current MDS

If there exist errors and checked MDS is an own MDS which can contain multiple recipients, then the according recipient is shown in the result window in the column “Path”.

Check name	Message text	Description	Check Configuration
Change Management - Rule 3.2.2.A/B	A new recipient part number or supplier code requires a new MDS ID. Expected is: <partNo> / <supplierCode>	See above description for rule 3.2.2.A PLEASE NOTE: Part numbers which contain only “-“, “x”, “?” or “/” are ignored. Empty supplier code is also a valid value, so is considered by the check.	MODULE_SCM IMDS_RECOM IHS_QCHECK Own configuration
Change Management - Rule 3.2.2.A/B	The combination of the part number "<partNo>" and supplier code "<supplierCode>" has already been used for the MDS ID(s): <ImdsIds>	See above description for rule 3.2.2.B PLEASE NOTE: Part numbers which contain only “-“, “x”, “?” or “/” are ignored. Empty supplier code is also a valid value, so is considered by the check.	MODULE_SCM IMDS_RECOM IHS_QCHECK Own configuration

Table 20 Recommendation checks – Recommendation 001 – Change management checks

10.1.5.6 Recommendation 010 – Material composition checks

Check name	Message text	Description	Check Configuration
Plastic Material Compositions: Parent-/child-material classification unfilled/filled	Child-material-category does not fit to parent-category	Within the structure tree of an unfilled thermoplastic material the material with the highest percentage has a different category. Within the structure tree of a filled thermoplastic material the material with the highest percentage has a category different from filled or unfilled Thermoplastic.	MODULE_SCM IMDS_RECOM IHS_QCHECK Own configuration

Table 21 Recommendation checks – Recommendation 010 – Material composition checks

10.1.5.7 Additional recommendation checks

For the configuration of SCM/USC/AIC an entry is available for each Recommendation with the possibility of selection of wished check category. If there exists an automated check for the corresponding recommendation the configuration is enabled.

For the configuration of the Q-Check more entries are available only customer specific and are therefore described in the customer documentations.

10.1.6 Recipient data check

Checks which concern the recipients which are contained or will be inserted within a MDS; check of the recipient data or the whole structure tree.

Additionally, to the upload relevant checks of the recipient data (see **chapter 10.1.1.7**) it is possible to configure how specific input fields should be checked if an organization unit of a company is selected as recipient of a MDS or if a specific recipient is defined in an own MDS.

Check name	Message text	Description	Check Configuration
Disable send to recipient	Proposing to company <Company Name> (<Org. Unit Name> [<ID>]) is not allowed.	The MDS cannot be send to the selected company. This can be configured in the “ Send/propose ” in the “ Parameters ” panel of the check configuration.	IHS_QCHECK Own configuration



Check name	Message text	Description	Check Configuration
Disable propose to recipient	Sending to company <Company Name> (<Org. Unit Name> [<ID>]) is not allowed.	The MDS cannot be proposed to the selected company. This can be configured in the “ Send/propose ” in the “ Parameters ” panel of the check configuration.	IHS_QCHECK Own configuration
Received MDS set as legacy spare part	Legacy spare part flag is set in received MDS.	The “ Legacy Spare Part ” flag in the “ Recipient Data ” page of the received datasheet is checked.	MODULE_SCM Own configuration
Recipient data	Own messages which have to be edited in the parameter configuration panel	The recipient data can be configured for each recipient by the parameter tab “ Recipient data ”.	MODULE_SCM IMDS_RECOM IHS_QCHECK Own configuration

Table 22 Recipient data checks

10.1.7 Application checks

With these checks applications can be tested whether they are used by a material or component to a specified limit.

Therefore, the sum of the percentage (average when there are ranges) of the used basic substances is calculated for each material and component for each substance group.

These checks will only be performed if “**all checks**” are selected in menu option “**Options → Checks → Checks in use**”.

These checks use the IMDS basic substance groups with the same names except for the nickel applications. For this check a specifically defined substance group is used.

The limits for the checks can be changed for each substance group in the parameter tab “**AQ limits**”.

For each application, there is an own check which returns the message “**Application code not allowed: <application name>**” in case the calculated sum is higher than the defined limit and the check for this substance group is configured as “**Precheck**” or “**Manual check**”.

10.1.8 CSI checks

Own and received MDS can be checked against CSI rule group(s) defined in this configuration tab.

In case of inbox check, result from the CSI check that is other than “OK”, i.e. “INFO”, “WARNING” and “ERROR”, causes various actions depending on the assignment of the check to the check category.

Check category	Result of the check
Automatic rejection	Message from CSI check causes automatic rejection of the received MDS.
Precheck	Message from CSI check is considered as an error, and unless user manually removes this message, it will go into the rejection reason of the received MDS.
Manual check	Message from CSI check causes a To-Do that can be classified by a user as "error" or "no error".

Table 23 Impact of CSI check done within the inbox check depending on the selected check category for the check

Further information about CSI checks is available in the separate CSI documentation.

10.1.9 Miscellaneous

Check name	Message text	Description	Check Configuration
Region information	The validation of the MDS showed that no active region / region type information is present.	<p>For check of own MDS: The region is not assigned to the MDS or the assigned region or region type linked to the region is not active anymore.</p> <p>For received MDSs: The message is raised regardless of whether the region is assigned to the MDS or not. This is ensuring that the region assignment is checked by the user.</p> <p>PLEASE NOTE: This check is optional.</p>	MODULE_SCM IHS_QCHECK Own configuration

Table 24 Miscellaneous checks



11 Table of tables

Table 1	Example of the special characters in the regular expression	24
Table 2	IMDS and IHS release checks	47
Table 3	IMDS standard checks – Completeness checks	48
Table 4	IMDS standard checks – Polymeric parts marking checks	49
Table 5	IMDS standard checks – Amounts and weights checks	50
Table 6	IMDS standard checks – Material/Basic substance checks.....	51
Table 7	IMDS standard checks – Recyclate information checks.....	52
Table 8	IMDS standard checks – Status checks	54
Table 9	IMDS standard checks – Recipient data checks – General	54
Table 10	IMDS standard checks – Recipient data checks – Supplier number	56
Table 11	IMDS standard checks – Recipient data checks – Additional fields	57
Table 12	IMDS standard checks – Application codes checks	58
Table 13	AQ warnings for referenced supplier's MDS checks	59
Table 14	Quality checks.....	63
Table 15	Jama/Japia checks	64
Table 16	Recommendation checks – Recommendation 001 – Tree structure checks.....	65
Table 17	Recommendation checks – Recommendation 001 – Range checks	66
Table 18	Recommendation checks – Recommendation 001 – Material checks	68
Table 19	Recommendation checks – Recommendation 001 – Basic substance checks.....	70
Table 20	Recommendation checks – Recommendation 001 – Change management checks	72
Table 21	Recommendation checks – Recommendation 010 – Material composition checks	73
Table 22	Recipient data checks.....	74
Table 23	Impact of CSI check done within the inbox check depending on the selected check category for the check.....	75
Table 24	Miscellaneous checks	75



12 Table of figures

Figure 1	Check configurations panel	12
Figure 2	Check configuration description field	14
Figure 3	Confirmation of deletion of check configuration.....	15
Figure 4	Tab “Assigned Org.Units” of the check configuration	16
Figure 5	Tab “Assigned Projects” of the check configuration	17
Figure 6	Definition of ranking for a check.....	18
Figure 7	Error shown if ranking is not defined for all relevant checks	19
Figure 8	Recipient data parameters	21
Figure 9	Error shown if already defined organisation is selected again	22
Figure 10	Confirmation of deletion of the organisation unit entry from the recipient data check	22
Figure 11	Panel for definition and validation of the regular expression	23
Figure 12	Tab “Assigned Projects” of the check configuration	27
Figure 13	“Checks in use” configuration panel	35
Figure 14	Question if applied changes should be saved	36
Figure 15	MDS with check results panel displayed inline	37
Figure 16	Check results panel	38
Figure 17	Quality check decision panel	40
Figure 18	Check categories master data panel	43
Figure 19	List of check categories in the check categories master data panel.....	44
Figure 20	Details of check category in the check categories master data panel.....	44
Figure 21	Change log table in the check categories master data panel.....	45
Figure 22	Actions in the check categories master data panel.....	45
Figure 23	Confirmation of deletion of the check category	46



13 Change History

Version	Date	Description
4.02.002	04.07.2006	Complete revision
4.5	06.11.2006	Added hint in chapter 4.1 about Rec. 010 check regarding the changed Recommendation 0010 from 31.10.2006
4.6	31.01.2007	Extensions for Renault; Check of symbols, confidential basic substances
4.7	03.04.2007	Changes of recommendations in March 2007, Extensions of recommendations and new SCM check
5.1	21.05.2007	Added hint for norm check at Rec. 001
5.2	31.10.2007	Rec.001 – Added Wild card ‘not yet specified’
5.3	22.01.2007	Presentation of the check results configurable Available Functions
6.4	20.10.2008	New check configuration New checks New/changed recommendation checks. Rec. 022, check for material norms subdivided Optional chapter 6.5 Changed calculation for wildcards and confidential substances with remainder value, hint to Online System Minor Changes for additive material checks and Recyclate information Added part number check Changed Rec. 001 substance ranges in small parts
6.5	28.11.2008	Change chapter 6 into table format
6.6	10.12.2008	Added „Wild cards must not be confidential“ (chapter 6.1 Material checks). Change of tolerance limit for Renault to 13% (chapter 6.1, Amounts and weights).
6.7	30.12.2008 and 27.01.2009	Complete revision (translation to English only), Adapted classification for symbol check (chapter 6.1)
7.0	04.06.2009	Changes of IMDS Release 7.0
7.1	20.07.2009	Added Material substance checks SC90 (chapter 6.1.2)
7.5	15.10.2009	Changes of iPoint Release 7.5
7.10	18.02.2010	Extension of chapter 3.1 – Check configurations Added chapter 3.1.3 – Compliance Checks (optional)
7.13	08.06.2010	Added Information text for Renault error (chapter 6.1.1, page 26) Changes for the check actions (chapter 3.2, 4.1)
7.17/7.08.008	31.08.2010	Review of chapter 6 Added ISO classification in chapter 3.1.3



Version	Date	Description
7.21	21.12.2010	Change Recommendation 022
8.00	01.05.2011	Adaption to IMDS release 7.1 weight check (< 1000t)
8.03	16.02.2011	New recipient data check for VCC (chapter 6.1.1)
8.05	01.04.2011	New USC quality check Polymeric parts marking
8.09	15.10.2011	Recommendation 001- Added Rule 4.4.1.A to check Tree Composition; Adding the rules for the recommendation checks
8.12	16.01.2012	New checks for IMDS Release 7.2: forwarded MDS, Nissan recipient data (chapter 6.1.1). Is also included in version 8.03.12 / 8.01.008 / 8.06.13
9.00	15.10.2012	New checks for iPCA Release 9
9.09	08.07.2013	New check Polymeric marking according NESD0031
10.00	04.04.2014	Adaptions for IMDS Release 9 (iPCA Release 10, see chapter 6)
10.03	11.07.2014	New quality check Ford RSMS Weight Tolerance
11.00	15.10.2015	Migration of the user manual to new iPoint style Reworked content and structure of the user manual Added/updated/removed several checks
11.07	20.02.2016	Improved error message for check "Copied nodes (name with "Copy_" or "Kopie_")" (chapter 10.1.2)
11.11	13.05.2016	Updated and improved description for SRC90 type 1 check (chapter 10.1.2)
12.00	28.09.2016	Check "Preliminary MDS flag set within, but not for parent node" moved from quality checks (chapter 10.1.2) to iMDS standard checks (chapter 10.1.1.1) Added check "Preliminary MDS flag set within, but not for parent node (released MDS)" (chapter 10.1)
12.12	19.04.2017	Changed behavior of "< Previous" button and added "Edit" and "Cancel" buttons (chapter 4.2.1.4) Changed behavior of "< Previous" button and added "Edit" and "Cancel" buttons (chapter 4.2.2.3) Changed behavior of "< Previous" button and added "Edit" and "Cancel" buttons (chapter 4.2.3.3) Changed behavior of "< Previous" button and added "Edit" and "Cancel" buttons (chapter 4.2.4.3) Changed behavior of "< Previous" button and added "Edit" and "Cancel" buttons (chapter 4.2.5.3) Changed behavior of "< Previous" button and added "Edit" and "Cancel" buttons (chapter 4.2.6.3) Corrected lot of typos
13.00	15.12.2017	Added description for new tab "Send/propose" (chapter 4.2.3.3.1) Added check "Material is containing deleted or hidden basic substance" (chapter 10.1.3)



Version	Date	Description
		Added checks “Disable send to recipient” and “Disable propose to recipient” (chapter 10.1.6)
13.03	24.01.2018	Added check “Region information” to “SCM/USC Inbox Check” and to “IHS Quality Checker “relevance for upload” check configurations (optional) (chapter 10.1.9)
13.09	20.04.2018	Adjusted message for check of Volvo supplier code (applicable for all Volvo Car Corporation companies only) (chapter 10.1.1.7.2) Removed check for Volvo supplier side code (applicable for all Volvo Car Corporation companies only) (chapter 10.1.1.7.3)
13.22	05.10.2108	Added check “Trade Name check - Rule 4.4.2.B” to “SCM/USC Inbox Check” and to “IHS Quality Checker “relevance for upload” check configurations (chapter 10.1.5.3)
13.24	29.11.2018	Update description for wildcards and confidential substances checks (chapter 10.1.5.4)
14.00	01.03.2019	Updated Figure 8 (chapter 4.2.1.4.1.1) Added three recyclate checks to iMDS standard checks that are raising below messages (chapter 10.1.1.5) <ul style="list-style-type: none">• Recyclate question must be answered with 'Yes' or 'No'• The difference between the minimum and the maximum of the post-consumer recyclate exceeds the maximum range of 20%• The difference between the minimum and the maximum of the post-industrial recyclate exceeds the maximum range of 20% Added note about treatment of hidden application codes (chapter 10.1.1.8) Added note about treatment of hidden application codes (chapter 10.1.2) Check “Material name contains Symbol (Mat.classific. 5.1.x, 5.2, 5.3) “ renamed to “Material name contains symbol (material classifications 5.1.x, 5.2, 5.3)” (chapter 10.1.3) Added a hint regarding substance “Confidential Substances” for the check “Material is containing deleted or hidden basic substance” (chapter 10.1.3) Check “Copied nodes (name with "Copy_" or "Kopie_")“ renamed to “Name starts with prefix "Copy_" or "Kopie_”” (chapter 10.1.3) (chapter) Check “Trade Name check - Rule 4.4.2.B“ renamed to “Material trade name check - Rule 4.4.2.B” and got improved check message (hapter 10.1.5.3) Added check “Change Management - Rule 3.2.2.A/B” and od checks for change management (chapter 10.1.5.5) Added check “Received MDS set as legacy spare part” (chapter 10.1.6)



Version	Date	Description
		Small text improvements and fixes
14.09	31.10.2019	<p>The hidden (in IMDS) substance “Confidential Substances” is not anymore considered by the check “Material is containing deleted or hidden basic substance” (chapter 10.1.3)</p> <p>Changed severity from “ERROR” to “WARNING” for recycle range check that is part of the iMDS standard checks that is raising below messages (chapter 10.1.1.5)</p> <ul style="list-style-type: none">• Recyclate question must be answered with 'Yes' or 'No'• The difference between the minimum and the maximum of the post-consumer recyclate exceeds the maximum range of 20%• The difference between the minimum and the maximum of the post-industrial recyclate exceeds the maximum range of 20%
14.09	13.12.2019	<p>Added a hint to refer to the chapter 10.1.8 for details about the impact of the CSI check on the result of the inbox check (chapter 4.2.1.2)</p> <p>Precised impact of the CSI check on the inbox check (chapter 10.1.8)</p>