WORLD INTELLECTUAL PROPERTY ORGANIZATION

SPECIAL UNION FOR THE INTERNATIONAL CLASSIFICATIONS OF GOODS AND SERVICES FOR THE PURPOSE OF THE REGISTRATION OF MARKS

(NICE UNION)

Specification of NCL Hierarchy Groups Structure Modifications Files

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| March 11, 2013 | Sébastien Fievet | 1.0 | PF Approved | QA |
| February 12, 2015 | Olivier Collioud | 3.10 | Revised | Addition of “edition” and “version” mandatory attributes to the root element. Split taxonomy modifications |
| November 25, 2016 | Olivier Collioud | 3.20 | PF Approved | Separation of optional Groups from mandatory Classes.Transfer of groups |
| February 9, 2017 | Grégoire Isoz | 3.21 | Revised | Update link to the xsd with the new version number. Addition of mandatory attributes idRef to DeleteHierarchyGroup element. Addition of attributes fromParentGroupIdRef, fromParentGroupNumber , fromClassNumber to the TransferHierarchyGroup element. Addition of mandatory toGroupIdRef attribute to AddGoodOrServiceRef element. Removal of TransferGoodOrService element.Addition of DeleteGroodOrServiceRef element (with mandatory attributes idRef, fromGroupNumber and fromGroupIdRef) Update of the examples |

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# Introduction

This document is part of the NCL master files specification. It describes the detailed structure and content of the NCL Classification Hierarchy Groups modifications files. The Hierarchy Groups modifications files are primarily used as an exchange format aiming at easy data transfer between heterogeneous IT systems. They describe changes to the hierarchy of groups (also known as the EUIPO taxonomy).

# Brief Description

## Content Overview

Hierarchy Groups modifications are language independent structural changes.

The Hierarchy Groups modifications file describes changes to the structure of the Hierarchy Groups, i.e. added/removed/moved hierarchy groups.

The Hierarchy Groups modifications also describe changes to the associations of hierarchy groups and goods or services.

## File Name

The NCL Hierarchy Groups modifications file is named ncl-YYYYMMDD-hierarchy\_groups\_structure\_modifications-YYYYMMDD.xml, the first YYYYMMDD refers to the date the specified edition-version goes into force, and the second is the date this file was generated.

# Hierarchy Group Modifications File Structure

The root element of the hierarchy group modifications file is named <HierarchyGroupsStructureModifications>. It has the required “edition”, “version”, "dateInForce" and "dateOfGeneration" attributes described in the master files specification.

The <HierarchyGroupsStructureModifications> element contains three optional elements <HierarchyGroupsModifications>, <GoodOrServiceRefsModifications> and <RelatedParentsModifications>. Although optional, at least one instance of one of these elements must be present.

## Hierarchy Group Modifications

The <HierarchyGroupsModifications> element records the addition, removal or transfer of hierarchy groups. It must contain one or more <AddHierarchyGroup> and/or <DeleteHierarchyGroup> and/or <TransferHierarchyGroup> elements.

### Add and Delete Hierarchy Groups

The <DeleteHierarchyGroup> element has two required attributes:

* "idRef" attribute value is the unique identifier of the Group being deleted
* "groupNumber" attribute value is the groupNumber of the Group deleted from NCL Hierarchy Groups structure Master File

When a group is deleted, its child groups must also be explicitly deleted and its descendants good or service references must be deleted as well.

The <AddHierarchyGroup> element has one required attribute "idRef" which value is the unique identifier of the Group added to NCL Hierarchy Groups structure Master File.

### Transfer Hierarchy Group

The <TransferHierarchyGroup> element has one required attribute:

* "idRef" attribute value is the unique identifier of the Group being transferred.

and four optional attributes (one of "fromParentGroupIdRef"+"fromParentGroupNumber" or "fromClassIdRef"+"fromClassNumber" combination is mandatory):

* "fromParentGroupIdRef" attribute value indicates the unique identifier of the group from where this group was transferred .
* "fromParentGroupNumber" attribute value indicates the source (groupNumber in the previous edition version) from where this group was transferred
* "fromClassIdRef" attribute value indicates the unique identifier of the class from where this group was transferred .
* "fromClassNumber" attribute value indicates the source (classNumber in the previous edition version) from where this group was transferred

## Good or Service references Modifications

### Add Good or Service references

The <AddGoodOrServiceRef> element takes two required attributes:

* "idRef" which value is the unique identifier of the good or service being added
* "toGroupIdRef" which value is the unique identifier of the group to which the good or service is being added

### Delete Good or Service references

The <DeleteGoodOrServiceRef> element takes three required attributes:

* "idRef" which value is the unique identifier of the good or service being deleted
* "fromGroupNumber" which value is the groupNumber of the group from which the good or service is being deleted
* "fromGroupIdRef" which value is the unique identifier of the group from which the good or service is being deleted

## Related Parents Modifications

### Add Related Parents

The <AddRelatedParent> element has two required attributes:

* "parentGroupIdRef" which value is the unique identifier of the Group being added as a related parent.
* "toGroupIdRef" which value is the unique identifier of the Group the related parent is being assigned to.

### Delete Related Parents

The <DeleteRelatedParent> element has four required attributes:

* "parentGroupIdRef" which value is the unique identifier of the Group being removed as a related parent.
* "parentGroupNumber" which value indicates the groupNumber (in the previous edition version) of the Group being removed as a related parent.
* "fromGroupIdRef" which value is the unique identifier of the Group the related parent is being removed from.
* "fromGroupNumber" which value indicates the groupNumber (in the previous edition version) of the Group the related parent is being removed from.

# Examples

Comments indicate the relation between child and parent groups that have been modified.

<HierarchyGroupsStructureModifications>

<HierarchyGroupsModifications>

<AddHierarchyGroup idRef="U2789346736"/>

<!-- If 6.2.5 is deleted, all its children must be too,

         including basic numbers below-->

<DeleteHierarchyGroup groupNumber="6.2.5.3" idRef="U27893"/>

<DeleteHierarchyGroup groupNumber="6.2.5.2" idRef="U27893"/>

<DeleteHierarchyGroup groupNumber="6.2.5.1" idRef="U27893"/>

<DeleteHierarchyGroup groupNumber="6.2.5" idRef="U27893"/>

<TransferHierarchyGroup idRef="U2786659" fromGroupNumber="5.4.3" fromIdRef="U27894"/>

</HierarchyGroupsModifications>

<RelatedParentsModifications>

<AddRelatedParent parentGroupIdRef="U27866" toGroupIdRef="U27867"/>

<DeleteRelatedParent parentGroupIdRef="U27868" parentGroupNumber="3.4.2" fromGroupIdRef="U27867" fromGroupNumber="5.5.1"/>

</RelatedParentsModifications>

<GoodOrServiceRefsModifications>

<DeleteGoodOrServiceRef fromGroupNumber="3.2.5" fromGroupIdRef="U27866" IdRef="U2786656"/>

</GoodOrServiceRefsModifications></HierarchyGroupsStructureModifications>

# Schema

The Hierarchy Groups structure modifications XML files must validate against NCL\_hierarchy\_groups\_structure\_modifications\_V3-21.xsd.

End of document