

INFORMATION SYSTEMS
IPI WORKING GROUP
IPI DFD, IPI EDI

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Field Code Changed

Field Code Changed

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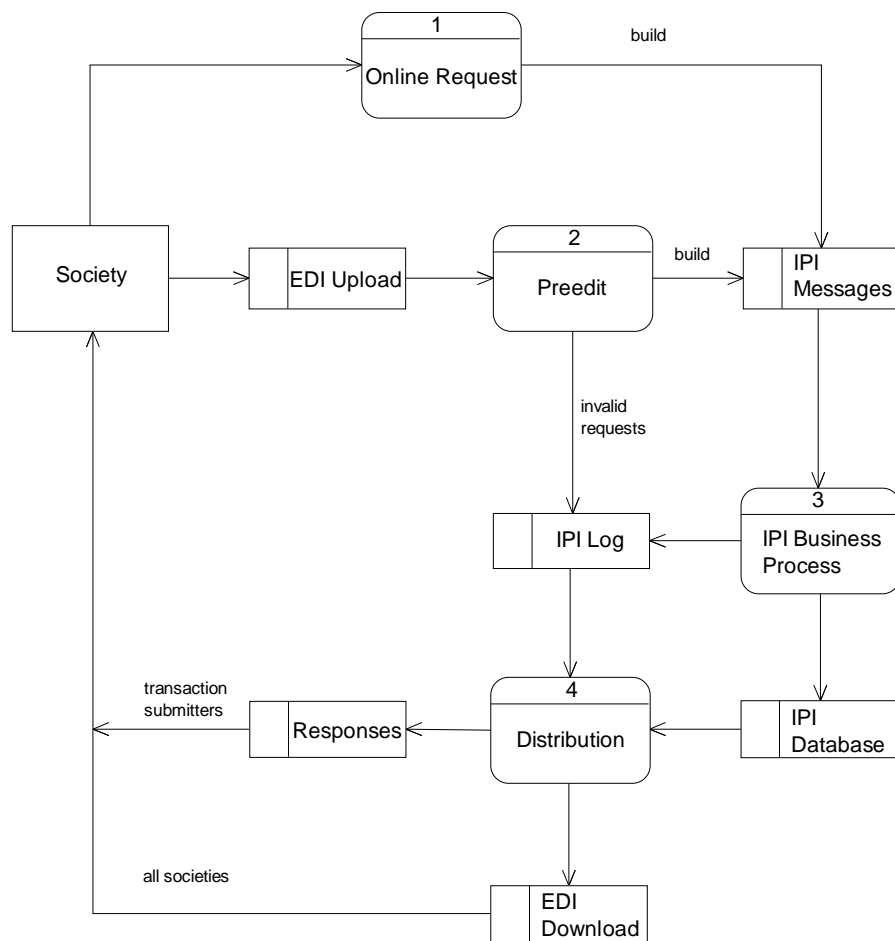
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Data Flow Diagram

The following Data Flow Diagram shows how transactions will flow through IPI.



Terminator	Society	Any authorised IPI administration society.
Data store	EDI upload	An incoming file of transactions to be processed against the IPI database. It is created using the IPI EDI standard.
	IPI messages	IPI- business-process interfaces.
	IPI database	IPI-database tables.
	IPI log	A collection of IPI-log-database tables used to log all IPI activities.
	Response	Response messages for transaction submitters.
	EDI download	An outgoing file of transactions, directed to all authorised IPI administration societies for replication. It is created using the IPI EDI standard.
Processes	Online request	Presentation process, transforming user requests to IPI messages.
	Pre-edit	Incoming transaction-file pre-processor generating IPI messages and IPI- log entries for invalid requests.
	IPI business	The main process which manages the IPI business rules and data. This process is IPI-message driven.
	Distribution	The process which builds responses for transaction submitters, EDI output to be downloaded by all authorised societies.

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IPI EDI

General considerations

The IPI system is managed (maintained and distributed) by the IPI centre at SUIISA. Societies keep local copies of the database within their systems and synchronise them (at any time) with the international database using the distribution facility (EDI download) of the IPI system. The same facility is used for replication of the complete IPI database.

IPI is a transaction driven system.

A transaction contains all information needed to complete a logical unit of work when entering a society's data into the IPI database.

There are two execution modes for IPI transactions:

- 1) Online mode: using the SUIISA online application (real time) through a communication link. One or more users per society can query and modify the database at any time.
- 2) Batch mode: using the proprietary EDI standard, defined in this section, to build upload-batch transaction-files. These files can then get uploaded to the IPI centre using FTP, or the communications link used for the online connection. In case of an online connection these batch transactions can be real time processed.

Transactions are also used to distribute the database (EDI download).

SUIISA generates batch transaction files (just after execution) for distribution, using the EDI standard. These files (one per day) include all completed transactions generated by all societies. Additional status information, such as successful-completion or rejections, will be included for transaction submitters only. This information is the link between upload and download operations.

Individual societies can download those files using FTP, or the communication link used for the online connection.

In case of an online connection the download operation is automatic (CAE like) and if needed continuous.

The EDI standard for the IPI system is described in the next sections.

IPI character set

Alphabetical characters upper case (A - Z), numbers (0 - 9), and the following special characters: hyphens, slashes, apostrophes, brackets, exclamation mark, hash (pound), dollar sign, percent sign, ampersand, plus sign, period (full stop), question mark, commercial-at sign, (- , / , ' , () , ! , # , \$, % , & , + , . , ? , @) can be entered.

IPI Name related format rules

Only one blank as word separator is accepted in last or first name

First character (last or first name): must be A-Z, 0-9 or exclamation mark, hash/pound, dollar sign, percent sign, ampersand, plus sign, question mark/query, commercial at sign (!#\$%&+?@). Quote and period/full stop ('.) are not accepted as first characters.

Hyphen "-": must be surrounded by: A-Z, 0-9, or exclamation mark, hash/pound, dollar sign, percent sign, ampersand, plus sign, question mark/query, commercial at sign (!#\$%&+?@). Quote and period/full stop ('.) are not accepted.

Left parenthesis "(": must not be already opened, it must be closed using a right parenthesis ")"
left: only blank is accepted,
right: "A-Z", "0-9", ",", "!", "#", "\$", "%", "&", "+", "?", "@" (Period/full stop "." is not accepted)

Right parenthesis ")": must be already opened,
left: "A-Z", "0-9", ",", "!", "#", "\$", "%", "&", "+", "?", "@" (Period/full stop "." is not accepted)
right: only blank is accepted if ")" is not last character in last or first name.

Slash "/":
legal entity names only, must be surrounded by: "A-Z", "0-9", "!", "#", "\$", "%", "&", "+", "?", "@". Quote and period/full stop ('.) are not accepted

File description

Each file will be named using the following standard:

Uploaded files:

Note that the standards for naming, structure and encryption of files to be transmitted between CISAC societies can be found in document IS/IC/82 under the section Procedures for the use of FTP and PGP.

Example: IPI10132.080 means the 10th file uploaded by BILD KUNST.

Downloaded files:

YYYYMMDD.IPI. The file name is a date. These files are generated by SUISA.

Example 19980501.IPI contains all the IPI transactions executed the first of May 1998.

Note:

Most of the detail record types used to complete IPI transactions are ending with either 'O' or 'N'. 'N' stands for new, meaning after image. 'O' stands for old, meaning before image.

In the following definitions the upload operations are considered in the first place.
Differences between upload and download operations are documented.

File encoding

The file encoding used for all files is the windows default Cp1252. Files written by IPI system will be in Cp1252format and files read in will be interpreted as if Cp1252 format. Since the character set for Names is limited according to the rules above, the Cp1252 content will be identical to many other 8bit encodings, but the Remark text can contain special characters will need to be interpreted as Cp1252 for correct handling.

Time Zone

The official time zone of the timestamps generated and interpreted by the IPI system is Central European Time (CET).

Transaction header records:

The following transactions are defined within this version of the IPI EDI standard.

IDA: IP Domain add
IPA: Interested party add
MAA: Membership agreement add
NCA: Name connection add
NPA: New patronym add
NTA: Nationality add
NUA: Name usage add
REA: Remark of society add
STA: Status add

BDU: Base data update
MAU: Membership agreement update
NCU: Name connection update
NTU: Nationality update

MAD: Membership agreement delete
NCD: Name connection delete (Multi connections only)
NTD: Nationality delete
NUD: Name usage delete
RED: Remark delete
STD: Status delete

FRJ: File rejection
GRJ: Group rejection

Transaction date and transaction time are present in all transaction headers in the downloaded files.
The combination of both is the transaction time of day and identifies each and every transaction executed against the IPI.

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IDA: IPI domain add

Transaction Description

This transaction is present in downloaded files only.
It is generated by the IPI system when needed.
It is used to download domains (one per transaction).
The domain values are included in detail records of the transaction.

Transaction Format

Record Type	Name	Req	Max Use	Comments
IDA	IPI Domain Add	M	1	
CCL	Creation Class	C	M	
IRI	IPI Right	C	M	
ISC	IP Status Code	C	M	
NMT	Name Type	C	M	
RCC	Role of a Creation Class	C	M	
RIG	Right	C	M	
RIS	Role of IPI Right of a Society	C	M	
RIX	Role of IPI Right of a Society extended	C	M	
ROL	Role	C	M	
SOC	Society	C	M	
SOP	Society partnership	C	M	
CSC	Creation Subclass of Creation Class	C	M	
TNR	Territory TISN	C	M	
TNA	Territory TISAN	C	M	
HNR	Territory Hierarchy TISN	C	M	
HNA	Territory Hierarchy TISAN	C	M	

Record Description

The transaction record contains the name of the domain from which the value(s) is/are contained in the detail record(s)

Record Format

Transaction Field	Start	Size	Fmt	Req	Field Description
Record type	1	3	A	M	IDA (IP domain add).
Transaction sequence no.	4	8	N	M	Unique sequential number identifying the transaction in a group, starting at 00000000.
Detail record sequence no.	12	8	N	M	00000000.
Transaction date	20	8	D	M	
Transaction time	28	6	T	M	
Code of remitting society	34	3	N	M	080.
Name of remitting society	37	20	A	M	SUISA.
Domain name	57	3	A	M	The record type of the detail records used to download the domain (domain id).

Transaction Level Validation

1. Only one IDA is allowed per transaction. (TR)
2. The complete corresponding domain (Domain name) is downloaded using appropriate detail records. (TR)

IPA: IP add

Transaction Description

This transaction is used to add a new IP.

Transaction Format

Record Type	Name	Req	Max Use	Comments
IPA	IP Add	M	1	
BDN	Base Data New	M	1	Base data of an IP.
STN	Status of a new IP	O	1	
NCN	Name single IP Connection New	C	M	Patronyms, pseudonyms (PP type for natural persons) or other references (OR types for legal entities) or modifications (MO type).
REN	Remarks New	O	M	Remarks of a society.
NUN	Name single IP Usage New	O	M	Name usage for PA, PP, OR, MO types.
MAN	Membership Agreement New	O	M	Membership agreements.
TMA	Territory	O	M	Territories of membership agreements.
MCN	Name multi IP Connection New	O	M	Pseudonym groups (PG types for natural persons) or holding references (HR type for legal entities).
MUN	Name Multi IP Usage New	O	M	Name usage for PG, HR types.
ONN	Other name Connection New	O	M	Other names of IP names (DF, ST types).
INN	Inherited name single IP usage New	C	M	Name usage for other names (DF, ST types) inherited from PA, PP, OR, MO types.(Downloaded files)
IMN	Inherited name multi IP usage New	C	M	Name usage for other names (DF, ST types) inherited from PG, HR types. (Downloaded files)
NTN	Nationality New	O	M	Nationality information (natural persons only).

Record Description

This transaction record contains information that identifies the IP of the transaction in progress.

Record Format

Transaction Field	Start	Size	Fmt	Req	Field Description	Field Rules
Record type	1	3	A	M	IPA (IP add).	12
Transaction sequence no.	4	8	N	M	Unique sequential number identifying the transaction within a group, starting at 00000000.	
Detail record sequence no.	12	8	N	M	00000000.	
Transaction date	20	8	D	C	It is not used in uploads. It will be generated by the IPI system and is always present in the downloaded files.	
Transaction time	28	6	T	C	It is not used in uploads. It will be generated by the IPI system and is	

					always present in the downloaded files.	
Code of remitting society	34	3	N	M	Society code of the society originating this transaction.	9, 10, 11
Name of remitting society	37	20	A	M	Society name of the society originating this transaction.	11
IP-BASE-NUMBER	57	13	A	C	It is the IP-BASE-NUMBER of the IP which is being added. It is not used in uploads. It will be generated by the IPI system and is always present in the downloaded files.	1
Current status code	70	1	N	C	It is the current status code of the IP which is being added. It is not used in uploads. It will be generated by the IPI system and is always present in the downloaded files.	2
IP-NAME-NUMBER	71	11	N	C	It is the IP-NAME-NUMBER of the patronym of the IP which is being added. It is not used in uploads (Exception CAE migration). It will be generated by the IPI system and is always present in the downloaded files.	3, 13, 14
Name type	82	2	A	M	It is the name type of the patronym of the IP which is being added.	4
IP-BASE-NUMBER-ref.	84	13	A	C	It is the IP-BASE-NUMBER of the reference IP, which is related to the current status of the IP which is being added. It is not used in uploads. It will be generated by the IPI system and is always present in the downloaded files.	5
Current status code ref.	97	1	N	C	It is the current status code related to the IP identified by IP-BASE-NUMBER-ref. It is not used in uploads. It will be generated by the IPI system and is always present in the downloaded files.	6
IP-NAME-NUMBER-ref.	98	11	N	C	It is the IP-NAME-NUMBER of the patronym of the IP identified by IP-BASE-NUMBER-ref. It is not used in uploads. It will be generated by the IPI system and is always present in the downloaded files.	7
Name type ref.	109	2	A	M	It is the name type of the patronym of the IP identified by IP-BASE-NUMBER-ref.	8

Transaction Level Validation

1. Only one IPA is allowed per transaction. (TR)
2. Exactly one BDN is required. (TR)
3. Exactly one NCN for the patronym is required. (TR)
4. NTN records are only allowed for natural persons. (TR)
5. All present MAN records must be followed by at least one TMA record describing the territory of the Membership Agreement (TR)
- 5-6. If multiple nationality records exist for the same territory, then they may not overlap in time. If the

validFrom date of a nationality record is missing, then the value used for overlap validation is 1000-01-01. If the validTo date of a nationality record is missing, then value used for validation is 9999-12-31. (TR)

Field Level Validation

1. **IP-BASE-NUMBER** must be empty (blank filled) in uploads. (TR)
2. **Current status code** must be empty (blank filled) in uploads. (TR)
3. **IP-NAME-NUMBER** must be empty (blank filled) in uploads. (TR)
4. **Name type** must be PA. (TR)
5. **IP-BASE-NUMBER-ref.** must be empty (blank filled) in uploads. It is the same as the **IP-BASE-NUMBER** only if the **Current status code** is 1 (self reference) or 4 (total deletion). It is different from **IP-BASE-NUMBER** and identifies the reference IP related to **Current status code** in case of purchase or xref-deletion (code 2 or 3). (TR)
6. **Current status code ref.** must be empty (blank filled) in uploads. (TR)
7. **IP-NAME-NUMBER-ref.** must be empty (blank filled) in uploads. (TR)
8. **Name type ref.** must be PA. (TR)
9. **Code of remitting society** must be a valid entry in the corresponding domain (SOC detail record) (TR)
10. If **Code of remitting society** and **Sender ID** in the transmission header (HDR record) of the transmission in progress are different, there must be a partnership between the two societies (SOP domain) (TR)
11. **Code of remitting society** and **Name of remitting society** must both be valid and match an entry in the corresponding domain (SOC domain) (TR)
12. **Record type**: Only one transaction header per transaction. (TR)
13. **IP-NAME-NUMBER** CAE Migration process: is invalid (TR)
14. **IP-NAME-NUMBER** CAE Migration process: already exists in the IPI system (TR)

Processing Considerations

IPA transactions are the only transactions needed when new societies initially load their members.
IPA transactions are the only transactions needed when migrating the CAE.
IDA (IPI domain add) and IPA transactions are the only transactions needed when downloading the complete IPI system.
All detail records needed to complete the IPI transaction are after images (new).
IPA transaction examples can be found in the IPI EDI examples document: EX. 1, EX. 2.

MAA: Membership agreement add

Transaction Description

This transaction is used to add membership agreements.

Transaction Format

Record Type	Name	Req	Max Use	Comments
MAA	Membership agreement add	M	1	
MAN	Membership agreement new	M	M	
TMA	Territory of Membership agreement	M	M	

Record Description

This transaction record contains information that identifies the IP of the transaction in progress.

Record Format

Transaction Field	Start	Size	Fmt	Req	Field Description	Field Rules
Record type	1	3	A	M	MAA (membership agreement add).	12
Transaction sequence no.	4	8	N	M	Unique sequential number identifying the transaction within a group, starting at 00000000.	
Detail record sequence no.	12	8	N	M	00000000.	
Transaction date	20	8	D	C	It is not used in uploads. It will be generated by the IPI system and is always present in the downloaded files.	
Transaction time	28	6	T	C	It is not used in uploads. It will be generated by the IPI system and is always present in the downloaded files.	
Code of remitting society	34	3	N	M	Society code of the society originating this transaction.	9,10
Name of remitting society	37	20	A	M	Society name of the society originating this transaction.	11
IP-BASE-NUMBER	57	13	A	M	It is the IP-BASE-NUMBER of the IP participating in the transaction.	1
Current status code	70	1	N	M	It is the current status code of the IP participating in the transaction.	2
IP-NAME-NUMBER	71	11	N	M	It is the IP-NAME-NUMBER of the patronym of the IP participating in the transaction.	3
Name type	82	2	A	M	It is the name type of the patronym of the IP participating in the transaction..	4
IP-BASE-NUMBER-ref.	84	13	A	M	It is the IP-BASE-NUMBER of the reference IP, which is related to the current status of the IP which is participating in the transaction.	5

Current status code ref.	97	1	N	M	It is the current status code of the IP identified by IP-BASE-NUMBER-ref.	6
IP-NAME-NUMBER-ref.	98	11	N	M	It is the IP-NAME-NUMBER of the patronym of the IP identified by IP-BASE-NUMBER-ref.	7
Name type ref.	109	2	A	M	It is the name type of the patronym of the IP identified by IP-BASE-NUMBER-ref.	8

Transaction Level Validation

1. At least one MAN followed by one or more TMA (agreement territory) is required. (TR)

Field Level Validation

1. **IP-BASE-NUMBER** must exist in the IPI Database. (TR)
2. **Current status** code must be the current status code of the IP identified by **IP-BASE-NUMBER** and must be 1 (self reference) (TR)
3. **IP-NAME-NUMBER** must identify the patronym of the IP (**IP-BASE-NUMBER**) (TR).
4. **Name type** must be PA. (TR)
5. **IP-BASE-NUMBER-ref.** must be the same as **IP-BASE-NUMBER**. (TR)
6. **Current status code ref.** must be the current Status code of the IP identified by **IP-BASE-NUMBER-ref.** (TR)
7. **IP-NAME-NUMBER-ref.** must identify the patronym of the IP identified by **IP-BASE-NUMBER-ref.** (TR)
8. **Name type ref.** must be the name type of the patronym of the IP identified by **IP-BASE-NUMBER-ref.** It must be PA. (TR)
9. **Code of remitting society** invalid (not found in SOC domain). (TR)
10. No partnership between **Code of remitting society** and HDR Sender ID society (relationship not found in SOP domain). (TR)
11. **Name of remitting society** invalid. (TR)
12. **Record type**: Only one transaction header per transaction. (TR)

Processing Considerations

All detail records needed to complete the MAA transaction are after images (new) of type MAN. Each after image must be followed by TMA detail records (one or more), needed to describe the agreements territory.

NCA: Name connection add

Transaction Description

This transaction record is used to add IP names, and name usage to the IP Names.

Transaction Format

Record Type	Name	Req	Max Use	Comments
NCA	Name connection add	M	1	
NCN	Name single IP Connection New	C	1	PP, OR types.
REN	Remarks New	O	M	Remarks of a society
NUN	Name single IP Usage New	O	M	PA, PP, OR types.
MCN	Name Multi IP Connection New	C	1	PG, HR types.
MUN	Name Multi IP Usage New	O	M	PG, HR types.
ONN	Other Name New	C	1	DF, ST, types.
INN	Inherited name single IP usage New	C	M	Name usage of DF, ST, types inherited from PA, PP, OR types. (downloaded files only)
IMN	Inherited name multi IP usage New	C	M	Name usage of DF, ST types inherited from PG, HR types. (downloaded files only)

Record Description

This transaction record contains information that identifies the IP of the transaction in progress.

Record Format

Transaction Field	Start	Size	Fmt	Req	Field Description	Field Rules
Record type	1	3	A	M	NCA (Name connection add).	12
Transaction sequence no.	4	8	N	M	Unique sequential number identifying the transaction within a group, starting at 00000000.	
Detail record sequence no.	12	8	N	M	00000000.	
Transaction date	20	8	D	C	It is not used in uploads. It will be generated by the IPI system and is always present in the downloaded files.	
Transaction time	28	6	T	C	It is not used in uploads. It will be generated by the IPI system and is always present in the downloaded files.	
Code of remitting society	34	3	N	M	Society code of the society originating this transaction.	9,10
Name of remitting society	37	20	A	M	Society name of the society originating this transaction.	11
IP-BASE-NUMBER	57	13	A	C	It is the IP-BASE-NUMBER of the IP used in this transaction.	1
Current status code	70	1	N	C	It is the current status code of the IP participating in this transaction.	2
IP-NAME-NUMBER	71	11	N	M	It is the IP-NAME-NUMBER of the patronym of the IP which is used in this	3

					transaction .		
Name type	82	2	A	M	It is the name type of the patronym of the IP in this transaction.	4	
IP-BASE-NUMBER-ref.	84	13	A	C	It is the IP-BASE-NUMBER of the reference IP, which is related to the current status of the IP which is used in this transaction.	5	
Current status code ref.	97	1	N	C	It is the current status code of the IP identified by IP-BASE-NUMBER-ref..	6	
IP-NAME-NUMBER-ref.	98	11	N	C	It is the IP-NAME-NUMBER of the patronym of the IP identified by IP-BASE-NUMBER-ref.	7	
Name type ref.	109	2	A	C	It is the name type of the patronym of the IP identified by IP-BASE-NUMBER-ref.	8	

Transaction Level Validation

1. Exactly one, either NCN, MCN or ONN is required. (TR)

Field Level Validation

1. **IP-BASE-NUMBER** must exist in the IPI Database. (TR)
2. **Current status** code must be the current status code of the IP identified by **IP-BASE-NUMBER** and must be 1 (self reference) (TR)
3. **IP-NAME-NUMBER** must identify the patronym of the IP (**IP-BASE-NUMBER**) (TR).
4. **Name type** must be PA. (TR)
5. **IP-BASE-NUMBER-ref.** must be the same as **IP-BASE-NUMBER**. (TR)
6. **Current status code ref.** must be the current Status code of the IP identified by **IP-BASE-NUMBER-ref.** (TR)
7. **IP-NAME-NUMBER-ref.** must identify the patronym of the IP identified by **IP-BASE-NUMBER-ref.** (TR)
8. **Name type ref.** must be the name type of the patronym of the IP identified by **IP-BASE-NUMBER-ref.** It must be PA. (TR)
9. **Code of remitting society** invalid (not found in SOC domain). (TR)
10. No partnership between **Code of remitting society** and HDR Sender ID society (relationship not found in SOP domain). (TR)
11. **Name of remitting society** invalid. (TR)
12. **Record type**: Only one transaction header per transaction. (TR)

Processing Considerations

If other name (e.g. DF- > PA or DF->HR etc..) is added using this transaction then all needed INN, IMN detail records will be present in the downloaded file.

INN, IMN detail records are automatically generated and will be included in downloaded files. They will be rejected in uploaded files.

Name connection add transactions are restricted and must follow the business rules. See Document “ISIP-0021 IPI Management Committee-IPI General Description and Business Rules” section xxx.

(~~TR, error code 200~~NCN error code 21, MCN error code 26, ONN error code 20)

NCN transaction examples can be found in the IPI EDI examples document: EX. 6, EX. 7, EX. 9, EX. 10.

NPA: New patronym add

Transaction Description

This transaction is to be used whenever the patronym (PA type) is changing (e.g. marriage of a natural person or new name of a legal entity)

Transaction Format

Record Type	Name	Req	Max Use	Comments
NPA	New patronym add	M	1	
NCO	Name single IP Connection Old	C	1	Used for the old patronym in downloaded files only and will be rejected in uploaded files.
NCN	Name single IP Connection New	M	M	Used for the new patronym (up- and downloaded files) and for the old patronym (PA modified to MO in downloaded files only).
NUN	Name single IP Usage New	C	M	It is rejected in uploads. It will be copied from the old patronym and is always present in the downloaded files if the old patronym has usages.
REN	Remarks New	O	M	Remarks of a society

Record Description

This transaction record contains information that identifies the IP of the transaction in progress.

Record Format

Transaction Field	Start	Size	Fmt	Req	Field Description	Field Rules
Record type	1	3	A	M	NPA (New patronym add).	12
Transaction sequence no.	4	8	N	M	Unique sequential number identifying the transaction within a group, starting at 00000000.	
Detail record sequence no.	12	8	N	M	00000000.	
Transaction date	20	8	D	C	It is not used in uploads. It will be generated by the IPI system and is always present in the downloaded files.	
Transaction time	28	6	T	C	It is not used in uploads. It will be generated by the IPI system and is always present in the downloaded files.	
Code of remitting society	34	3	N	M	Society code of the society originating this transaction.	9,10
Name of remitting society	37	20	A	M	Society name of the society originating this transaction.	11
IP-BASE-NUMBER	57	13	A	M	It is the IP-BASE-NUMBER of the IP used in this transaction.	1
Current status code	70	1	N	M	It is the current status code of the IP which used in this transaction.	2
IP-NAME-NUMBER	71	11	N	C	It is the IP-NAME-NUMBER of the patronym of the IP which is used in this transaction.	3

Name type	82	2	A	M	It is the name type of the IP name used in this transaction.	4
IP-BASE-NUMBER-ref.	84	13	A	M	It is the IP-BASE-NUMBER of the reference IP, which is related to the current status of the IP which is used in this transaction.	5
Current status code ref.	97	1	N	M	It is the current status code of the IP identified by IP-BASE-NUMBER-ref.	6
IP-NAME-NUMBER-ref.	98	11	N	C	It is the IP-NAME-NUMBER of the patronym of the IP identified by IP-BASE-NUMBER-ref.	7
Name type ref.	109	2	A	M	It is the name type of the patronym of the IP identified by IP-BASE-NUMBER-ref.	8

Transaction Level Validation

1. One NCN is required for the new patronym in uploaded files (TR)
2. One NCO/NCN pair for the old patronym, one NCN for the new patronym and all needed NUN are present in downloaded files (TR)

Field Level Validation

1. **IP-BASE-NUMBER** must exist in the IPI Database. (TR)
2. **Current status** code must be the current status code of the IP identified by **IP-BASE-NUMBER** and must be 1 (self reference) (TR)
3. **IP-NAME-NUMBER** must identify the patronym of the IP (**IP-BASE-NUMBER**) (TR).
4. **Name type** must be PA. (TR)
5. **IP-BASE-NUMBER-ref.** must be the same as **IP-BASE-NUMBER**. (TR)
6. **Current status code ref.** must be the current Status code of the IP identified by **IP-BASE-NUMBER-ref.** (TR)
7. **IP-NAME-NUMBER-ref.** must identify the patronym of the IP identified by **IP-BASE-NUMBER-ref.** (TR)
8. **Name type ref.** must be the name type of the patronym of the IP identified by **IP-BASE-NUMBER-ref.** It must be PA. (TR)
9. **Code of remitting society** invalid (not found in SOC domain). (TR)
10. No partnership between **Code of remitting society** and HDR Sender ID society (relationship not found in SOP domain). (TR)
11. **Name of remitting society** invalid. (TR)
12. **Record type**: Only one transaction header per transaction. (TR)

Processing Considerations

The old patronym is modified from PA to MO type with the same IP-NAME-NUMBER. A new IP-NAME-NUMBER is assigned to the new patronym (PA type). MO types of IP names are protected (cannot change).

Note:

The above transaction is not to be used for spelling corrections of patronyms (use NCU in this case).

NPA transaction example can be found in the IPI EDI examples document: EX. 11.

Patronym change transactions are restricted and must follow the business rules. See Document “ISIP-0021 IPI Management Committee-IPI General Description and Business Rules” section xxx. (NCN error code 21, MCN error code 26, ONN error code 20)

NTA: Nationality add

Transaction Description

This transaction is used to add nationality information for IPs (natural persons only).

Transaction Format

Record Type	Name	Req	Max Use	Comments
NTA	Nationality add	M	1	
NTN	Nationality new	M	1 M	

Record Description

This transaction record contains information that identifies the IP of the transaction in progress.

Record Format

Transaction Field	Start	Size	Fmt	Req	Field Description	Field Rules
Record type	1	3	A	M	NTA (Nationality add).	12
Transaction sequence no.	4	8	N	M	Unique sequential number identifying the transaction within a group, starting at 00000000.	
Detail record sequence no.	12	8	N	M	00000000.	
Transaction date	20	8	D	C	It is not used in uploads. It will be generated by the IPI system and is always present in the downloaded files.	
Transaction time	28	6	T	C	It is not used in uploads. It will be generated by the IPI system and is always present in the downloaded files.	
Code of remitting society	34	3	N	M	Society code of the society originating this transaction.	9,10
Name of remitting society	37	20	A	M	Society name of the society originating this transaction.	11
IP-BASE-NUMBER	57	13	A	M	It is the IP-BASE-NUMBER of the IP used in this transaction.	1
Current status code	70	1	N	M	It is the current status code of the IP which used in this transaction.	2
IP-NAME-NUMBER	71	11	N	M	It is the IP-NAME-NUMBER of the patronym of the IP which is used in this transaction.	3
Name type	82	2	A	M	It is the name type of the patronym of the IP which used in this transaction.	4
IP-BASE-NUMBER-ref.	84	13	A	M	It is the IP-BASE-NUMBER of the reference IP, which is related to the current status of the IP which is used in this transaction.	5
Current status code ref.	97	1	N	M	It is the current status code of the IP identified by IP-BASE-NUMBER-ref.	6
IP-NAME-NUMBER-ref.	98	11	N	M	It is the IP-NAME-NUMBER of the patronym of the IP identified by IP-	7

					BASE-NUMBER-ref.	
Name type ref.	109	2	A	M	It is the name type of the patronym of the IP identified by IP-BASE-NUMBER-ref.	8

Transaction Level Validation

1. ~~Exactly one NTN is required. (TR)~~At least one NTN is required.

Field Level Validation

1. **IP-BASE-NUMBER** must exist in the IPI Database. (TR)
2. **Current status** code must be the current status code of the IP identified by **IP-BASE-NUMBER** and must be 1 (self reference) (TR)
3. **IP-NAME-NUMBER** must identify the patronym of the IP (**IP-BASE-NUMBER**) (TR).
4. **Name type** must be PA. (TR)
5. **IP-BASE-NUMBER-ref.** must be the same as **IP-BASE-NUMBER**. (TR)
6. **Current status code ref.** must be the current Status code of the IP identified by **IP-BASE-NUMBER-ref.** (TR)
7. **IP-NAME-NUMBER-ref.** must identify the patronym of the IP identified by **IP-BASE-NUMBER-ref.** (TR)
8. **Name type ref.** must be the name type of the patronym of the IP identified by **IP-BASE-NUMBER-ref.** It must be PA. (TR)
9. **Code of remitting society** invalid (not found in SOC domain). (TR)
10. No partnership between **Code of remitting society** and HDR Sender ID society (relationship not found in SOP domain). (TR)
11. **Name of remitting society** invalid. (TR)
12. **Record type**: Only one transaction header per transaction. (TR)

NUA: Name usage add

Transaction Description

This transaction is used to add name usage to existing names of IPs.

Transaction Format

Record Type	Name	Req	Max Use	Comments
NUA	Name usage add	M	1	
NUN	Name single IP Usage New	C	M	
INN	Inherited name single IP usage New	C	M	Present in downloaded files only
MUN	Name Multi IP name Usage New	C	M	
IMN	Inherited name multi IP usage New	C	M	Present in downloaded files only

Record Description

This transaction record contains information that identifies the IP of the transaction in progress.

Record Format

Transaction						
Field	Start	Size	Fmt	Req	Field Description	Field Rules
Record type	1	3	A	M	NUA (Name usage add).	12
Transaction sequence no.	4	8	N	M	Unique sequential number identifying the transaction within a group, starting at 00000000.	
Detail record sequence no.	12	8	N	M	00000000.	
Transaction date	20	8	D	C	It is not used in uploads. It will be generated by the IPI system and is always present in the downloaded files.	
Transaction time	28	6	T	C	It is not used in uploads. It will be generated by the IPI system and is always present in the downloaded files.	
Code of remitting society	34	3	N	M	Society code of the society originating this transaction.	9,10
Name of remitting society	37	20	A	M	Society name of the society originating this transaction.	11
IP-BASE-NUMBER	57	13	A	M	It is the IP-BASE-NUMBER of the IP used in this transaction.	1
Current status code	70	1	N	M	It is the current status code of the IP which used in this transaction.	2
IP-NAME-NUMBER	71	11	N	M	It is the IP-NAME-NUMBER of the patronym of the IP which is used in this transaction.	3
Name type	82	2	A	M	It is the name type of the patronym of the IP which used in this transaction.	4
IP-BASE-NUMBER-ref.	84	13	A	M	It is the IP-BASE-NUMBER of the reference IP, which is related to the	5

					current status of the IP which is used in this transaction.		
Current status code ref.	97	1	N	M	It is the current status code of the IP identified by IP-BASE-NUMBER-ref.	6	
IP-NAME-NUMBER-ref.	98	11	N	M	It is the IP-NAME-NUMBER of the patronym of the IP identified by IP-BASE-NUMBER-ref.	7	
Name type ref.	109	2	A	M	It is the name type of the patronym of the IP identified by IP-BASE-NUMBER-ref.	8	

Transaction Level Validation

1. Either one NUN or one MUN is required. (TR)
2. All name usage detail records (NUN or MUN) must refer to the same name within the same transaction. (TR)

Field Level Validation

1. **IP-BASE-NUMBER** must exist in the IPI Database. (TR)
2. **Current status** code must be the current status code of the IP identified by **IP-BASE-NUMBER** and must be 1 (self reference) (TR)
3. **IP-NAME-NUMBER** must identify the patronym of the IP (**IP-BASE-NUMBER**) (TR).
4. **Name type** must be PA. (TR)
5. **IP-BASE-NUMBER-ref.** must be the same as **IP-BASE-NUMBER**. (TR)
6. **Current status code ref.** must be the current Status code of the IP identified by **IP-BASE-NUMBER-ref.** (TR)
7. **IP-NAME-NUMBER-ref.** must identify the patronym of the IP identified by **IP-BASE-NUMBER-ref.** (TR)
8. **Name type ref.** must be the name type of the patronym of the IP identified by **IP-BASE-NUMBER-ref.** It must be PA. (TR)
9. **Code of remitting society** invalid (not found in SOC domain). (TR)
10. No partnership between **Code of remitting society** and HDR Sender ID society (relationship not found in SOP domain). (TR)
11. **Name of remitting society** invalid. (TR)
12. **Record type**: Only one transaction header per transaction. (TR)

Processing Considerations

If name usage is added to IP names with other names (e.g. DF -> PP, ST -> PG .etc...), then all needed, either INN or IMN detail records will be generated for these other names. They will be included in the downloaded file.

INN, IMN detail records will be rejected in uploaded files.

NUA transaction example can be found in the IPI EDI examples document: EX. 5.

REA: Remark add

Transaction Description

This transaction is used to add remarks of societies.

Transaction Format

Record Type	Name	Req	Max Use	Comments
REA	Remark Add	M	1	
REN	Remark New	M	M	

Record Description

This transaction record contains information that identifies the IP of the transaction in progress.

Record Format

Transaction Field	Start	Size	Fmt	Req	Field Description	Field Rules
Record type	1	3	A	M	REA (Remark add).	12
Transaction sequence no.	4	8	N	M	Unique sequential number identifying the transaction within a group, starting at 00000000.	
Detail record sequence no.	12	8	N	M	00000000.	
Transaction date	20	8	D	C	It is not used in uploads. It will be generated by the IPI system and is always present in the downloaded files.	
Transaction time	28	6	T	C	It is not used in uploads. It will be generated by the IPI system and is always present in the downloaded files.	
Code of remitting society	34	3	N	M	Society code of the society originating this transaction.	9,10
Name of remitting society	37	20	A	M	Society name of the society originating this transaction.	11
IP-BASE-NUMBER	57	13	A	M	It is the IP-BASE-NUMBER of the IP used in this transaction.	1
Current status code	70	1	N	M	It is the current status code of the IP which used in this transaction.	2
IP-NAME-NUMBER	71	11	N	M	It is the IP-NAME-NUMBER of the patronym of the IP which is used in this transaction.	3
Name type	82	2	A	M	It is the name type of the patronym of the IP which used in this transaction.	4
IP-BASE-NUMBER-ref.	84	13	A	M	It is the IP-BASE-NUMBER of the reference IP, which is related to the current status of the IP which is used in this transaction.	5
Current status code ref.	97	1	N	M	It is the current status code of the IP identified by IP-BASE-NUMBER-ref.	6
IP-NAME-NUMBER-ref.	98	11	N	M	It is the IP-NAME-NUMBER of the patronym of the IP identified by IP-	7

					BASE-NUMBER-ref.	
Name type ref.	109	2	A	M	It is the name type of the patronym of the IP identified by IP-BASE-NUMBER-ref.	8

Transaction Level Validation

1. Only one REA is allowed per transaction. (TR)
2. At least one REN detail record is required. (TR)

Field Level Validation

1. **IP-BASE-NUMBER** must exist in the IPI Database. (TR)
2. **Current status** code must be the current status code of the IP identified by **IP-BASE-NUMBER** and must be 1 (self reference) (TR)
3. **IP-NAME-NUMBER** must identify the patronym of the IP (**IP-BASE-NUMBER**) (TR).
4. **Name type** must be PA. (TR)
5. **IP-BASE-NUMBER-ref.** must be the same as **IP-BASE-NUMBER**. (TR)
6. **Current status code ref.** must be the current Status code of the IP identified by **IP-BASE-NUMBER-ref.** (TR)
7. **IP-NAME-NUMBER-ref.** must identify the patronym of the IP identified by **IP-BASE-NUMBER-ref.** (TR)
8. **Name type ref.** must be the name type of the patronym of the IP identified by **IP-BASE-NUMBER-ref.** It must be PA. (TR)
9. **Code of remitting society** invalid (not found in SOC domain). (TR)
10. No partnership between **Code of remitting society** and HDR Sender ID society (relationship not found in SOP domain). (TR)
11. **Name of remitting society** invalid. (TR)
12. **Record type**: Only one transaction header per transaction. (TR)

Processing Considerations

The remarks are only included in the downloaded files of the owner societies.
Old remarks (if exist) will be replaced.

STA: Status add

Transaction Description

This transaction is used to add a status of an IP.

Transaction Format

Record Type	Name	Req	Max Use	Comments
STA	Status Add	M	1	
STN	Status New	M	1	

Record Description

This transaction record contains information that identifies the IP of the transaction in progress.

Record Format

Transaction Field	Start	Size	Fmt	Req	Field Description	Field Rules
Record type	1	3	A	M	STA (Status add).	12
Transaction sequence no.	4	8	N	M	Unique sequential number identifying the transaction within a group, starting at 00000000.	
Detail record sequence no.	12	8	N	M	00000000.	
Transaction date	20	8	D	C	It is not used in uploads. It will be generated by the IPI system and is always present in the downloaded files.	
Transaction time	28	6	T	C	It is not used in uploads. It will be generated by the IPI system and is always present in the downloaded files.	
Code of remitting society	34	3	N	M	Society code of the society originating this transaction.	9,10
Name of remitting society	37	20	A	M	Society name of the society originating this transaction.	11
IP-BASE-NUMBER	57	13	A	M	It is the IP-BASE-NUMBER of the IP which is used in this transaction.	1
Current status code	70	1	N	M	It is the current status code of the IP which is used in this transaction.	2
IP-NAME-NUMBER	71	11	N	M	It is the IP-NAME-NUMBER of the patronym of the IP which is used in this transaction.	3
Name type	82	2	A	M	It is the name type of the patronym of the IP which is used in this transaction.	4
IP-BASE-NUMBER-ref.	84	13	A	M	It is the IP-BASE-NUMBER of the reference IP, which is related to the current status of the IP which is used in this transaction.	5
Current status code ref.	97	1	N	M	It is the current status code of the IP identified by IP-BASE-NUMBER-ref.	6
IP-NAME-NUMBER-ref.	98	11	N	M	It is the IP-NAME-NUMBER of the patronym of the IP identified by IP-	7

Name type ref.	109	2	A	M	BASE-NUMBER-ref. It is the name type of the patronym of the IP identified by IP-BASE-NUMBER-ref.	8
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Transaction Level Validation

1. Exactly one STN detail record is required. (TR)

Field Level Validation

1. **IP-BASE-NUMBER** must exist in the IPI Database. (TR)
2. **Current status** code must be the current status code of the IP identified by **IP Base number**. (TR)
3. **IP-NAME-NUMBER** must identify the patronym of the IP (**IP-BASE-NUMBER**) (TR)
4. **Name type** must be PA. (TR)
5. **IP-BASE-NUMBER-ref.** must be the same as **IP-BASE-NUMBER**, if the **Current status code** indicates self reference, or total deletion (Code 1 or 4).
IP-BASE-NUMBER-ref. must be different from **IP-BASE-NUMBER** and must identify the reference IP related to the **Current status code** for purchase or xref-deletion (Code 2 or 3). (TR)
6. **Current status code ref.** must be the current Status code of the IP identified by **IP-BASE-NUMBER-ref.** (TR)
7. **IP-NAME-NUMBER-ref.** must identify the patronym of the IP identified by **IP-BASE-NUMBER-ref.** (TR)
8. **Name type ref.** must be the name type of the patronym of the IP identified by **IP-BASE-NUMBER-ref.** It must be PA. (TR)
9. **Code of remitting society** invalid (not found in SOC domain). (TR)
10. No partnership between **Code of remitting society** and HDR Sender ID society (relationship not found in SOP domain). (TR)
11. **Name of remitting society** invalid. (TR)
12. **Record type**: Only one transaction header per transaction. (TR)

Processing Considerations

All existing Status of the IP will be included in the downloaded file using STN detail records.

Status add transactions are restricted and must follow the business rules. See Document "ISIP-0021 IPI Management Committee-IPI General Description and Business Rules" section 6.21.1 Restrictions on updates of Names and Status. (~~TR~~STN, error code ~~200~~18)

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BDU: Base data update

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Transaction Description

This transaction is used to update the base data of an IP.

Transaction Format

Record Type	Name	Req	Max Use	Comments
BDU	Base Data Update	M	1	
BDO	Base Data Old	M	1	
BDN	Base Data New	M	1	

Record Description

This transaction record contains information that identifies the IP of the transaction in progress.

Record Format

Transaction Field	Start	Size	Fmt	Req	Field Description	Field Rules
Record type	1	3	A	M	BDU (base data update).	12
Transaction sequence no.	4	8	N	M	Unique sequential number identifying the transaction within a group, starting at 00000000.	
Detail record sequence no.	12	8	N	M	00000000.	
Transaction date	20	8	D	C	It is not used in uploads. It will be generated by the IPI system and is always present in the downloaded files.	
Transaction time	28	6	T	C	It is not used in uploads. It will be generated by the IPI system and is always present in the downloaded files.	
Code of remitting society	34	3	N	M	Society code of the society originating this transaction.	9,10
Name of remitting society	37	20	A	M	Society name of the society originating this transaction.	11
IP-BASE-NUMBER	57	13	A	M	It is the IP-BASE-NUMBER of the IP used in this transaction.	1
Current status code	70	1	N	M	It is the current status code of the IP which used in this transaction.	2
IP-NAME-NUMBER	71	11	N	M	It is the IP-NAME-NUMBER of the patronym of the IP which is used in this transaction.	3
Name type	82	2	A	M	It is the name type of the patronym of the IP which used in this transaction.	4
IP-BASE-NUMBER-ref.	84	13	A	M	It is the IP-BASE-NUMBER of the reference IP, which is related to the current status of the IP which is used in this transaction.	5
Current status code ref.	97	1	N	M	It is the current status code of the IP identified by IP-BASE-NUMBER-ref.	6
IP-NAME-NUMBER-	98	11	N	M	It is the IP-NAME-NUMBER of the	7

ref.					patronym of the IP identified by IP-BASE-NUMBER-ref.	
Name type ref.	109	2	A	M	It is the name type of the patronym of the IP identified by IP-BASE-NUMBER-ref.	8

Transaction Level Validation

1. Exactly one BDO/BDN record pair is needed. (TR)

Field Level Validation

1. **IP-BASE-NUMBER** must exist in the IPI Database. (TR)
2. **Current status** code must be the current status code of the IP identified by **IP-BASE-NUMBER** and must be 1 (self reference) (TR)
3. **IP-NAME-NUMBER** must identify the patronym of the IP (**IP-BASE-NUMBER**) (TR).
4. **Name type** must be PA. (TR)
5. **IP-BASE-NUMBER-ref.** must be the same as **IP-BASE-NUMBER**. (TR)
6. **Current status code ref.** must be the current Status code of the IP identified by **IP-BASE-NUMBER-ref.** (TR)
7. **IP-NAME-NUMBER-ref.** must identify the patronym of the IP identified by **IP-BASE-NUMBER-ref.** (TR)
8. **Name type ref.** must be the name type of the patronym of the IP identified by **IP-BASE-NUMBER-ref.** It must be PA. (TR)
9. **Code of remitting society** invalid (not found in SOC domain). (TR)
10. No partnership between **Code of remitting society** and HDR Sender ID society (relationship not found in SOP domain). (TR)
11. **Name of remitting society** invalid. (TR)
12. **Record type**: Only one transaction header per transaction. (TR)

Processing Considerations

BDU transaction example can be found in the IPI EDI examples document: EX. 3.

MAU: Membership agreement update

Transaction Description

This transaction is used to update membership agreements of an IP.

Transaction Format

Record Type	Name	Req	Max Use	Comments
MAU	Membership agreement update	M	1	
MAO	Membership Agreement Old	M	M	
MAN	Membership Agreement New	M	M	
TMA	Territory of Membership agreement	M	M	

Record Description

This transaction record contains information that identifies the IP of the transaction in progress.

Record Format

Transaction Field	Start	Size	Fmt	Req	Field Description	Field Rules
Record type	1	3	A	M	MAU (membership agreement update).	12
Transaction sequence no.	4	8	N	M	Unique sequential number identifying the transaction within a group, starting at 00000000.	
Detail record sequence no.	12	8	N	M	00000000.	
Transaction date	20	8	D	C	It is not used in uploads. It will be generated by the IPI system and is always present in the downloaded files.	
Transaction time	28	6	T	C	It is not used in uploads. It will be generated by the IPI system and is always present in the downloaded files.	
Code of remitting society	34	3	N	M	Society code of the society originating this transaction.	9,10
Name of remitting society	37	20	A	M	Society name of the society originating this transaction.	11
IP-BASE-NUMBER	57	13	A	M	It is the IP-BASE-NUMBER of the IP participating in the agreement	1
Current status code	70	1	N	M	It is the current status code of the IP participating in the agreement.	2
IP-NAME-NUMBER	71	11	N	M	It is the IP-NAME-NUMBER of the patronym of the IP participating in the agreement.	3
Name type	82	2	A	M	It is the name type of the patronym of the IP participating in the agreement.	4
IP-BASE-NUMBER-ref.	84	13	A	M	It is the IP-BASE-NUMBER of the reference IP, which is related to the	5

					current status of the IP which is participating in the agreement.	
Current status code ref.	97	1	N	M	It is the current status code of the IP identified by IP-BASE-NUMBER-ref.	6
IP-NAME-NUMBER-ref.	98	11	N	M	It is the IP-NAME-NUMBER of the patronym of the IP identified by IP-BASE-NUMBER-ref.	7
Name type ref.	109	2	A	M	It is the name type of the patronym of the IP identified by IP-BASE-NUMBER-ref.	8

Transaction Level Validation

1. At least one MAO followed by one or more TMA detail records, and one MAN followed by one or more TMA detail records is needed. (TR)

Field Level Validation

1. **IP-BASE-NUMBER** must exist in the IPI Database. (TR)
2. **Current status** code must be the current status code of the IP identified by **IP-BASE-NUMBER** and must be 1 (self reference) (TR)
3. **IP-NAME-NUMBER** must identify the patronym of the IP (**IP-BASE-NUMBER**) (TR).
4. **Name type** must be PA. (TR)
5. **IP-BASE-NUMBER-ref.** must be the same as **IP-BASE-NUMBER**. (TR)
6. **Current status code ref.** must be the current Status code of the IP identified by **IP-BASE-NUMBER-ref.** (TR)
7. **IP-NAME-NUMBER-ref.** must identify the patronym of the IP identified by **IP-BASE-NUMBER-ref.** (TR)
8. **Name type ref.** must be the name type of the patronym of the IP identified by **IP-BASE-NUMBER-ref.** It must be PA. (TR)
9. **Code of remitting society** invalid (not found in SOC domain). (TR)
10. No partnership between **Code of remitting society** and HDR Sender ID society (relationship not found in SOP domain). (TR)
11. **Name of remitting society** invalid. (TR)
12. **Record type**: Only one transaction header per transaction. (TR)

Processing Considerations

All detail records needed to complete the MAU transaction are before and after image (MAN/MAO) pairs.

Each image must be followed by the appropriate TMA detail records (one or more), needed to describe the agreement's territory.

Please note the distinction between an update of an existing membership agreement and the creation of a new membership agreement. Example: If an author was a member of SUIA for the World excluding Germany until 1997 and becomes a world-wide SUIA member as from 1998, then the old agreement for world excluding Germany has to be terminated (transaction MAU) and a new agreement for the whole world has to be created.

MAU transaction example can be found in the IPI EDI examples document: EX. 16.

NCU: Name connection update

Transaction Description

This transaction is used to modify the names of IPs, their name connections and name usage. Patronyms (PA name types) cannot be exchanged (relinked) across IPs.

Note: This transaction is only used to correct data entry mistakes.

Transaction Format

Record Type	Name	Req	Max Use	Comments
NCU	Name Connection Update	M	1	
NCO	Name single IP Connection Old	C	1	
NUO	Name single IP usage old	C	M	Present in downloaded files only.
NCN	Name single IP Connection New	C	1	
NUN	Name single IP usage new	C	M	Present in downloaded files only.
MCO	Name Multi IP Connection Old	C	1	
MUO	Name multi IP usage old	C	M	Present in downloaded files only.
MCN	Name Multi IP Connection New	C	1	
MUN	Name multi IP usage new	C	M	Present in downloaded files only.
INO	Inherited name single IP usage Old	C	M	Present in downloaded files only.
IMO	Inherited name Multi IP usage Old	C	M	Present in downloaded files only.
ONO	Other Name connection Old	C	1	
ONN	Other Name connection New	C	1	
INN	Inherited name single IP usage New	C	M	Present in downloaded files only.
IMN	Inherited name Multi IP usage New	C	M	Present in downloaded files only.

Record Description

This transaction record contains information that identifies the IPs of the transaction in progress related to before and/or after images.

Record Format

Transaction Field	Start	Size	Fmt	Req	Field Description	Field Rules
Record type	1	3	A	M	NCU (Name connection update)	12
Transaction sequence no.	4	8	N	M	Unique sequential number identifying the transaction within a group, starting at 00000000.	
Detail record sequence no.	12	8	N	M	00000000.	
Transaction date	20	8	D	C	It is not used in uploads. It will be	

					generated by the IPI system and is always present in the downloaded files.	
Transaction time	28	6	T	C	It is not used in uploads. It will be generated by the IPI system and is always present in the downloaded files.	
Code of remitting society	34	3	N	M	Society code of the society originating this transaction.	9,10
Name of remitting society	37	20	A	M	Society name of the society originating this transaction.	11
IP-BASE-NUMBER old	57	13	A	C	Is the IP-BASE-NUMBER of the IP related to the before image (either one NCO, one MCO or one ONO)	1
Current status code old	70	1	N	C	Status code of the IP of the before images used in this transaction.	2
IP-NAME-NUMBER old	71	11	N	M	Is the IP-NAME-NUMBER of the patronym of the IP of the before images used in this transaction.	3
Name type old	82	2	A	M	Name type of the patronym of IP name related to the before images.	4
IP-BASE-NUMBER-ref. Old	84	13	A	C	Is the IP-BASE-NUMBER of the reference IP, which is related to the current status of the IP of the before images used in this transaction.	5
Current status code ref. Old	97	1	N	C	It is the current status code of the IP identified by IP-BASE-NUMBER-ref. Old.	6
IP-NAME-NUMBER-ref. Old	98	11	N	C	It is the IP-NAME-NUMBER of the patronym of the IP identified by IP-BASE-NUMBER-ref.	7
Name type ref. Old	109	2	A	C	It is the name type of the patronym of the IP identified by IP-BASE-NUMBER-ref. Old (PA).	8
IP-BASE-NUMBER new	111	13	A	C	It is the IP-BASE-NUMBER of the IP of the after images used in this transaction.	13,14,15,17
Current status code new	124	1	N	C	If Name type new is PA, then it is the current status code of the IP of the after images used in this transaction. It is not used if name type new is PG or HR.	14
IP-NAME-NUMBER new	125	11	N	M	It is the IP-NAME-NUMBER of the patronym of the IP of the after images used in this transaction.	15
Name type new	136	2	A	M	Name type of the IP name related to the after images.	16
IP-BASE-NUMBER-ref. New	138	13	A	C	It is the IP-BASE-NUMBER of the reference IP, which is related to the current status of the IP of the after images used in this transaction.	17,18,19,20
Current status code ref. New	151	1	N	C	It is the current status code of the IP identified by IP-BASE-NUMBER-ref. New.	18
IP-NAME-NUMBER-ref. New	152	11	N	C	It is the IP-NAME-NUMBER of the patronym of the IP identified by IP-BASE-NUMBER-ref. new.	19

Name type ref. New	163	2	A	C	It is the name type of the patronym of the IP identified by IP-BASE-NUMBER-ref. New (PA).	20
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Transaction Level Validation

1. At least one, either NCO/NCN or MCO/MCN, or ONO/ONN detail record pair is needed. (TR)

Field Level Validation

1. **IP-BASE-NUMBER old** must exist in the IPI Database. (TR)
2. **Current status code old** must be the current status code of the IP identified by **IP-BASE-NUMBER old** and must be 1 (self reference) (TR)
3. **IP-NAME-NUMBER old** must identify the patronym of the IP (**IP-BASE-NUMBER old**) (TR).
4. **Name type old** must be PA. (TR)
5. **IP-BASE-NUMBER-ref. old** must be the same as **IP-BASE-NUMBER old**. (TR)
6. **Current status code ref. old** must be the current Status code of the IP identified by **IP-BASE-NUMBER-ref. old**. (TR)
7. **IP-NAME-NUMBER-ref. old** must identify the patronym of the IP identified by **IP-BASE-NUMBER-ref. old**. (TR)
8. **Name type ref. old** must be the name type of the patronym of the IP identified by **IP-BASE-NUMBER-ref. old**. It must be PA. (TR)
9. **Code of remitting society** invalid (not found in SOC domain). (TR)
10. No partnership between **Code of remitting society** and HDR Sender ID society (relationship not found in SOP domain). (TR)
11. **Name of remitting society** invalid. (TR)
12. **Record type**: Only one transaction header per transaction. (TR)
13. **IP-BASE-NUMBER new** must exist in the IPI Database. (TR)
14. **Current status code new** must be the current status code of the IP identified by **IP-BASE-NUMBER new** and must be 1 (self reference) (TR)
15. **IP-NAME-NUMBER new** must identify the patronym of the IP (**IP-BASE-NUMBER new**) (TR).
16. **Name type new** must be PA. (TR)
17. **IP-BASE-NUMBER-ref. new** must be the same as **IP-BASE-NUMBER new**. (TR)
18. **Current status code ref. new** must be the current Status code of the IP identified by **IP-BASE-NUMBER-ref. new**. (TR)
19. **IP-NAME-NUMBER-ref. new** must identify the patronym of the IP identified by **IP-BASE-NUMBER-ref. new**. (TR)
20. **Name type ref. new** must be the name type of the patronym of the IP identified by **IP-BASE-NUMBER-ref. new**. It must be PA. (TR)

Processing Considerations

If other names of IP names are affected by this transaction, then all needed INO/INN, IMO/IMN detail record pairs will be included in the downloaded file.

NUN, NUO, MUN, MUO detail records will be included in downloaded files only, as needed, in case of name type updates within one IP. (can imply format update for the corresponding name usage)

Name connection update transactions are restricted and must follow the business rules. See Document "ISIP-0021 IPI Management Committee-IPI General Description and Business Rules" section 6.21.1 Restrictions on updates of Names and Status. ([NCN error code 21](#), [MCN error code 26](#), [ONN error code 20](#)~~TR, error code 200~~)

NCU transaction examples can be found in the IPI EDI examples document: EX. 4, EX. 8, EX. 12,

EX. 13, EX. 14, EX. 15.

Formatted: English (U.K.)

NTU: Nationality update

Formatted: English (U.S.)

Transaction Description

This transaction is used to update the nationality of an IP (natural persons only).

Transaction Format

Record Type	Name	Req	Max Use	Comments
NTU	Nationality Update	M	1	
NTO	Nationality Old	M	1	
NTN	Nationality New	M	1	

Record Description

This transaction record contains information that identifies the IP of the transaction in progress.

Record Format

Transaction Field	Start	Size	Fmt	Req	Field Description	Field Rules
Record type	1	3	A	M	NTU (Nationality update).	12
Transaction sequence no.	4	8	N	M	Unique sequential number identifying the transaction within a group, starting at 00000000.	
Detail record sequence no.	12	8	N	M	00000000.	
Transaction date	20	8	D	C	It is not used in uploads. It will be generated by the IPI system and is always present in the downloaded files.	
Transaction time	28	6	T	C	It is not used in uploads. It will be generated by the IPI system and is always present in the downloaded files.	
Code of remitting society	34	3	N	M	Society code of the society originating this transaction.	9,10
Name of remitting society	37	20	A	M	Society name of the society originating this transaction.	11
IP-BASE-NUMBER	57	13	A	M	It is the IP-BASE-NUMBER of the IP used in this transaction.	1
Current status code	70	1	N	M	It is the current status code of the IP which used in this transaction.	2
IP-NAME-NUMBER	71	11	N	M	It is the IP-NAME-NUMBER of the patronym of the IP which is used in this transaction.	3
Name type	82	2	A	M	It is the name type of the patronym of the IP which used in this transaction.	4
IP-BASE-NUMBER-ref.	84	13	A	M	It is the IP-BASE-NUMBER of the reference IP, which is related to the current status of the IP which is used in this transaction.	5
Current status code ref.	97	1	N	M	It is the current status code of the IP identified by IP-BASE-NUMBER-ref.	6
IP-NAME-NUMBER-	98	11	N	M	It is the IP-NAME-NUMBER of the	7

ref.					patronym of the IP identified by IP-BASE-NUMBER-ref.	
Name type ref.	109	2	A	M	It is the name type of the patronym of the IP identified by IP-BASE-NUMBER-ref.	8

Transaction Level Validation

1. Exactly one NTO followed by a NTN is required. (TR)
- ±2. If multiple nationality records exist for the same territory, then they may not overlap in time. If the validFrom date of a nationality record is missing, then the value used for overlap validation is 1000-01-01. If the validTo date of a nationality record is missing, then value used for validation is 9999-12-31. (TR)

Field Level Validation

21. **IP-BASE-NUMBER** must exist in the IPI Database. (TR)
22. **Current status** code must be the current status code of the IP identified by **IP-BASE-NUMBER** and must be 1 (self reference) (TR)
23. **IP-NAME-NUMBER** must identify the patronym of the IP (**IP-BASE-NUMBER**) (TR).
24. **Name type** must be PA. (TR)
25. **IP-BASE-NUMBER-ref.** must be the same as **IP-BASE-NUMBER**. (TR)
26. **Current status code ref.** must be the current Status code of the IP identified by **IP-BASE-NUMBER-ref.** (TR)
27. **IP-NAME-NUMBER-ref.** must identify the patronym of the IP identified by **IP-BASE-NUMBER-ref.** (TR)
28. **Name type ref.** must be the name type of the patronym of the IP identified by **IP-BASE-NUMBER-ref.** It must be PA. (TR)
29. **Code of remitting society** invalid (not found in SOC domain). (TR)
30. No partnership between **Code of remitting society** and HDR Sender ID society (relationship not found in SOP domain). (TR)
31. **Name of remitting society** invalid. (TR)
32. **Record type**: Only one transaction header per transaction. (TR)

MAD: Membership agreement delete

Transaction Description

This transaction is used to delete membership agreements of an IP.

Note: This transaction is only used to correct data entry mistakes.

Transaction Format

Record Type	Name	Req	Max Use	Comments
MAD	Membership agreement delete	M	1	
MAO	Membership agreement Old	M	M	
TMA	Territory of membership agreement	M	M	

Record Description

This transaction record contains information that identifies the IP of the transaction in progress.

Record Format

Transaction Field	Start	Size	Fmt	Req	Field Description	Field Rules
Record type	1	3	A	M	MAD (membership agreement delete).	12
Transaction sequence no.	4	8	N	M	Unique sequential number identifying the transaction within a group, starting at 00000000.	
Detail record sequence no.	12	8	N	M	00000000.	
Transaction date	20	8	D	C	It is not used in uploads. It will be generated by the IPI system and is always present in the downloaded files.	
Transaction time	28	6	T	C	It is not used in uploads. It will be generated by the IPI system and is always present in the downloaded files.	
Code of remitting society	34	3	N	M	Society code of the society originating this transaction.	9,10
Name of remitting society	37	20	A	M	Society name of the society originating this transaction.	11
IP-BASE-NUMBER	57	13	A	M	It is the IP-BASE-NUMBER of the IP participating in the agreement.	1
Current status code	70	1	N	M	It is the current status code of the IP participating in the agreement.	2
IP-NAME-NUMBER	71	11	N	M	It is the IP-NAME-NUMBER of the patronym of the IP participating in the agreement.	3
Name type	82	2	A	M	It is the name type of the patronym of the IP participating in the agreement.	4
IP-BASE-NUMBER-ref.	84	13	A	M	It is the IP-BASE-NUMBER of the reference IP, which is related to the current status of the IP which is	5

					participating in the agreement.	
Current status code ref.	97	1	N	M	It is the current status code of the IP identified by IP-BASE-NUMBER-ref.	6
IP-NAME-NUMBER-ref.	98	11	N	M	It is the IP-NAME-NUMBER of the patronym of the IP identified by IP-BASE-NUMBER-ref.	7
Name type ref.	109	2	A	M	It is the name type of the patronym of the IP identified by IP-BASE-NUMBER-ref.	8

Transaction Level Validation

1. At least one MAO followed by one or more TMA detail records is required. (TR)

Field Level Validation

1. **IP-BASE-NUMBER** must exist in the IPI Database. (TR)
2. **Current status** code must be the current status code of the IP identified by **IP-BASE-NUMBER** and must be 1 (self reference) (TR)
3. **IP-NAME-NUMBER** must identify the patronym of the IP (**IP-BASE-NUMBER**) (TR).
4. **Name type** must be PA. (TR)
5. **IP-BASE-NUMBER-ref.** must be the same as **IP-BASE-NUMBER**. (TR)
6. **Current status code ref.** must be the current Status code of the IP identified by **IP-BASE-NUMBER-ref.** (TR)
7. **IP-NAME-NUMBER-ref.** must identify the patronym of the IP identified by **IP-BASE-NUMBER-ref.** (TR)
8. **Name type ref.** must be the name type of the patronym of the IP identified by **IP-BASE-NUMBER-ref.** It must be PA. (TR)
9. **Code of remitting society** invalid (not found in SOC domain). (TR)
10. No partnership between **Code of remitting society** and HDR Sender ID society (relationship not found in SOP domain). (TR)
11. **Name of remitting society** invalid. (TR)
12. **Record type**: Only one transaction header per transaction. (TR)

NCD: Name connection delete

Transaction Description

This transaction is used to delete name multi IP connections : PG <-> IP (natural persons) or HR <-> IP (legal entities).

Transaction Format

Record Type	Name	Req	Max Use	Comments
NCD	Name connection delete	M	1	
MCO	Name Multi IP Connection Old	M	1	

Record Description

This transaction record contains information that identifies the IP of the transaction in progress.

Record Format

Transaction Field	Start	Size	Fmt	Req	Field Description	Field Rules
Record type	1	3	A	M	NCD (Name connection delete).	12
Transaction sequence no.	4	8	N	M	Unique sequential number identifying the transaction within a group, starting at 00000000.	
Detail record sequence no.	12	8	N	M	00000000.	
Transaction date	20	8	D	C	It is not used in uploads. It will be generated by the IPI system and is always present in the downloaded files.	
Transaction time	28	6	T	C	It is not used in uploads. It will be generated by the IPI system and is always present in the downloaded files.	
Code of remitting society	34	3	N	M	Society code of the society originating this transaction.	9,10
Name of remitting society	37	20	A	M	Society name of the society originating this transaction.	11
IP-BASE-NUMBER	57	13	A	C	It is the IP-BASE-NUMBER of the IP used in this transaction.	1
Current status code	70	1	N	C	It is the current status code of the IP which used in this transaction.	2
IP-NAME-NUMBER	71	11	N	M	Identifies the IP name of the transaction in progress.	3
Name type	82	2	A	M	It is the name type of the patronym of the IP which used in this transaction.	4
IP-BASE-NUMBER-ref.	84	13	A	C	It is the IP-BASE-NUMBER of the reference IP, which is related to the current status of the IP which is used in this transaction.	5
Current status code ref.	97	1	N	C	It is the current status code of the IP identified by IP-BASE-NUMBER-ref.	6
IP-NAME-NUMBER-	98	11	N	C	It is the IP-NAME-NUMBER of the	7

ref.					patronym of the IP identified by IP-BASE-NUMBER-ref..	
Name type ref.	109	2	A	C	It is the name type of the patronym of the IP identified by IP-BASE-NUMBER-ref.	8

Transaction Level Validation

1. Exactly one MCO detail record is required. (TR)

Field Level Validation

1. **IP-BASE-NUMBER** must exist in the IPI Database. (TR)
2. **Current status** code must be the current status code of the IP identified by **IP-BASE-NUMBER** and must be 1 (self reference) (TR)
3. **IP-NAME-NUMBER** must identify the patronym of the IP (**IP-BASE-NUMBER**) (TR).
4. **Name type** must be PA. (TR)
5. **IP-BASE-NUMBER-ref.** must be the same as **IP-BASE-NUMBER**. (TR)
6. **Current status code ref.** must be the current Status code of the IP identified by **IP-BASE-NUMBER-ref.** (TR)
7. **IP-NAME-NUMBER-ref.** must identify the patronym of the IP identified by **IP-BASE-NUMBER-ref.** (TR)
8. **Name type ref.** must be the name type of the patronym of the IP identified by **IP-BASE-NUMBER-ref.** It must be PA. (TR)
9. **Code of remitting society** invalid (not found in SOC domain). (TR)
10. No partnership between **Code of remitting society** and HDR Sender ID society (relationship not found in SOP domain). (TR)
11. **Name of remitting society** invalid. (TR)
12. **Record type**: Only one transaction header per transaction. (TR)

Processing Considerations

There should be no name usage related to the IP of the transaction in progress.

Name connection delete transactions are restricted and must follow the business rules. See Document "ISIP-0021 IPI Management Committee-IPI General Description and Business Rules" section 6.21.1 Restrictions on updates of Names and Status. (TR, error code 200)

NTD: Nationality delete

Transaction Description

This transaction is used to delete the nationality of an IP (natural persons only).

Transaction Format

Record Type	Name	Req	Max Use	Comments
NTD	Nationality Delete	M	1	
NTO	Nationality Old	M	M	

Record Description

This transaction record contains information that identifies the IP of the transaction in progress.

Record Format

Transaction Field	Start	Size	Fmt	Req	Field Description	Field Rules
Record type	1	3	A	M	NTD (Nationality delete).	12
Transaction sequence no.	4	8	N	M	Unique sequential number identifying the transaction within a group, starting at 00000000.	
Detail record sequence no.	12	8	N	M	00000000.	
Transaction date	20	8	D	C	It is not used in uploads. It will be generated by the IPI system and is always present in the downloaded files.	
Transaction time	28	6	T	C	It is not used in uploads. It will be generated by the IPI system and is always present in the downloaded files.	
Code of remitting society	34	3	N	M	Society code of the society originating this transaction.	9,10
Name of remitting society	37	20	A	M	Society name of the society originating this transaction.	11
IP-BASE-NUMBER	57	13	A	M	It is the IP-BASE-NUMBER of the IP used in this transaction.	1
Current status code	70	1	N	M	It is the current status code of the IP which used in this transaction.	2
IP-NAME-NUMBER	71	11	N	M	It is the IP-NAME-NUMBER of the patronym of the IP which is used in this transaction.	3
Name type	82	2	A	M	It is the name type of the patronym of the IP which used in this transaction.	4
IP-BASE-NUMBER-ref.	84	13	A	M	It is the IP-BASE-NUMBER of the reference IP, which is related to the current status of the IP which is used in this transaction.	5
Current status code ref.	97	1	N	M	It is the current status code of the IP identified by IP-BASE-NUMBER-ref.	6
IP-NAME-NUMBER-ref.	98	11	N	M	It is the IP-NAME-NUMBER of the patronym of the IP identified by IP-	7

					BASE-NUMBER-ref.	
Name type ref.	109	2	A	M	It is the name type of the patronym of the IP identified by IP-BASE-NUMBER-ref.	8

Transaction Level Validation

1. ~~Exactly~~ At least one NTO is required. (TR)

Field Level Validation

1. **IP-BASE-NUMBER** must exist in the IPI Database. (TR)
2. **Current status** code must be the current status code of the IP identified by **IP-BASE-NUMBER** and must be 1 (self reference) (TR)
3. **IP-NAME-NUMBER** must identify the patronym of the IP (**IP-BASE-NUMBER**) (TR).
4. **Name type** must be PA. (TR)
5. **IP-BASE-NUMBER-ref.** must be the same as **IP-BASE-NUMBER**. (TR)
6. **Current status code ref.** must be the current Status code of the IP identified by **IP-BASE-NUMBER-ref.** (TR)
7. **IP-NAME-NUMBER-ref.** must identify the patronym of the IP identified by **IP-BASE-NUMBER-ref.** (TR)
8. **Name type ref.** must be the name type of the patronym of the IP identified by **IP-BASE-NUMBER-ref.** It must be PA. (TR)
9. **Code of remitting society** invalid (not found in SOC domain). (TR)
10. No partnership between **Code of remitting society** and HDR Sender ID society (relationship not found in SOP domain). (TR)
11. **Name of remitting society** invalid. (TR)
12. **Record type**: Only one transaction header per transaction. (TR)

NUD: Name usage delete

Transaction Description

This transaction is used to delete name usage of IP names .

Note: This transaction is only used to correct data entry mistakes.

Transaction Format

Record Type	Name	Req	Max Use	Comments
NUD	Name Usage Delete	M	1	
NUO	Name single IP Usage Old	C	M	
MUO	Name Multi IP Usage Old	C	M	
INO	Inherited name single IP usage Old	C	M	
IMO	Inherited name multi IP usage Old	C	M	

Record Description

This transaction record contains information that identifies the IP of the transaction in progress.

Record Format

Transaction						
Field	Start	Size	Fmt	Req	Field Description	Field Rules
Record type	1	3	A	M	NUD (Name usage delete).	12
Transaction sequence no.	4	8	N	M	Unique sequential number identifying the transaction within a group, starting at 00000000.	
Detail record sequence no.	12	8	N	M	00000000.	
Transaction date	20	8	D	C	It is not used in uploads. It will be generated by the IPI system and is always present in the downloaded files.	
Transaction time	28	6	T	C	It is not used in uploads. It will be generated by the IPI system and is always present in the downloaded files.	
Code of remitting society	34	3	N	M	Society code of the society originating this transaction.	9,10
Name of remitting society	37	20	A	M	Society name of the society originating this transaction.	11
IP-BASE-NUMBER	57	13	A	M	It is the IP-BASE-NUMBER of the IP used in this transaction.	1
Current status code	70	1	N	M	It is the current status code of the IP which used in this transaction.	2
IP-NAME-NUMBER	71	11	N	M	It is the IP-NAME-NUMBER of the patronym of the IP which is used in this transaction.	3
Name type	82	2	A	M	It is the name type of the patronym of the IP which used in this transaction.	4
IP-BASE-NUMBER-	84	13	A	M	It is the IP-BASE-NUMBER of the	5

ref.					reference IP, which is related to the current status of the IP which is used in this transaction.	
Current status code ref.	97	1	N	M	It is the current status code of the IP identified by IP-BASE-NUMBER-ref.	6
IP-NAME-NUMBER-ref.	98	11	N	M	It is the IP-NAME-NUMBER of the patronym of the IP identified by IP-BASE-NUMBER-ref.	7
Name type ref.	109	2	A	M	It is the name type of the patronym of the IP identified by IP-BASE-NUMBER-ref.	8

Transaction Level Validation

1. Either one NUO or one MUO is required. (TR)
2. All name usage detail records (NUO or MUO) must refer to the same name within the same transaction. (TR)

Field Level Validation

1. **IP-BASE-NUMBER** must exist in the IPI Database. (TR)
2. **Current status** code must be the current status code of the IP identified by **IP-BASE-NUMBER** and must be 1 (self reference) (TR)
3. **IP-NAME-NUMBER** must identify the patronym of the IP (**IP-BASE-NUMBER**) (TR).
4. **Name type** must be PA. (TR)
5. **IP-BASE-NUMBER-ref.** must be the same as **IP-BASE-NUMBER**. (TR)
6. **Current status code ref.** must be the current Status code of the IP identified by **IP-BASE-NUMBER-ref.** (TR)
7. **IP-NAME-NUMBER-ref.** must identify the patronym of the IP identified by **IP-BASE-NUMBER-ref.** (TR)
8. **Name type ref.** must be the name type of the patronym of the IP identified by **IP-BASE-NUMBER-ref.** It must be PA. (TR)
9. **Code of remitting society** invalid (not found in SOC domain). (TR)
10. No partnership between **Code of remitting society** and HDR Sender ID society (relationship not found in SOP domain). (TR)
11. **Name of remitting society** invalid. (TR)
12. **Record type**: Only one transaction header per transaction. (TR)

Processing Considerations

If name usage is deleted for IP names with other names (e.g. DF->PG or ST->PP etc..), then all needed INO or IMO detail records will be generated for these other names. They will be included in the downloaded file.
INO, IMO detail records will be rejected in uploaded files.

RED: Remark delete

Transaction Description

This transaction is used to delete remarks of societies.

Transaction Format

Record Type	Name	Req	Max Use	Comments
RED	Remark Delete	M	1	
REO	Remark Old	M	M	

Record Description

This transaction record contains information that identifies the IP of the transaction in progress.

Record Format

Transaction Field	Start	Size	Fmt	Req	Field Description	Field Rules
Record type	1	3	A	M	RED (Remark delete).	12
Transaction sequence no.	4	8	N	M	Unique sequential number identifying the transaction within a group, starting at 00000000.	
Detail record sequence no.	12	8	N	M	00000000.	
Transaction date	20	8	D	C	It is not used in uploads. It will be generated by the IPI system and is always present in the downloaded files.	
Transaction time	28	6	T	C	It is not used in uploads. It will be generated by the IPI system and is always present in the downloaded files.	
Code of remitting society	34	3	N	M	Society code of the society originating this transaction.	9,10
Name of remitting society	37	20	A	M	Society name of the society originating this transaction.	11
IP-BASE-NUMBER	57	13	A	M	It is the IP-BASE-NUMBER of the IP used in this transaction.	1
Current status code	70	1	N	M	It is the current status code of the IP which used in this transaction.	2
IP-NAME-NUMBER	71	11	N	M	It is the IP-NAME-NUMBER of the patronym of the IP which is used in this transaction.	3
Name type	82	2	A	M	It is the name type of the patronym of the IP which used in this transaction.	4
IP-BASE-NUMBER-ref.	84	13	A	M	It is the IP-BASE-NUMBER of the reference IP, which is related to the current status of the IP which is used in this transaction.	5
Current status code ref.	97	1	N	M	It is the current status code of the IP identified by IP-BASE-NUMBER-ref.	6
IP-NAME-NUMBER-ref.	98	11	N	M	It is the IP-NAME-NUMBER of the patronym of the IP identified by IP-	7

					BASE-NUMBER-ref.	
Name type ref.	109	2	A	M	It is the name type of the patronym of the IP identified by IP-BASE-NUMBER-ref.	8

Transaction Level Validation

1. At least one REO is required. (TR)

Field Level Validation

1. **IP-BASE-NUMBER** must exist in the IPI Database. (TR)
2. **Current status** code must be the current status code of the IP identified by **IP-BASE-NUMBER** and must be 1 (self reference) (TR)
3. **IP-NAME-NUMBER** must identify the patronym of the IP (**IP-BASE-NUMBER**) (TR).
4. **Name type** must be PA. (TR)
5. **IP-BASE-NUMBER-ref.** must be the same as **IP-BASE-NUMBER**. (TR)
6. **Current status code ref.** must be the current Status code of the IP identified by **IP-BASE-NUMBER-ref.** (TR)
7. **IP-NAME-NUMBER-ref.** must identify the patronym of the IP identified by **IP-BASE-NUMBER-ref.** (TR)
8. **Name type ref.** must be the name type of the patronym of the IP identified by **IP-BASE-NUMBER-ref.** It must be PA. (TR)
9. **Code of remitting society** invalid (not found in SOC domain). (TR)
10. No partnership between **Code of remitting society** and HDR Sender ID society (relationship not found in SOP domain). (TR)
11. **Name of remitting society** invalid. (TR)
12. **Record type**: Only one transaction header per transaction. (TR)

Processing Considerations

All existing remarks related to an IP name and the remitting society will be deleted.

STD: Status delete

Transaction Description

This transaction is used to delete a status of an IP.

Note: This transaction is only used to correct data entry mistakes.

Transaction Format

Record Type	Name	Req	Max Use	Comments
STD	Status Delete	M	1	
STO	Status Old	M	1	

Record Description

This transaction record contains information that identifies the IP of the transaction in progress.

Record Format

Transaction Field	Start	Size	Fmt	Req	Field Description	Field Rules
Record type	1	3	A	M	STD (Status delete).	12
Transaction sequence no.	4	8	N	M	Unique sequential number identifying the transaction within a group, starting at 00000000.	
Detail record sequence no.	12	8	N	M	00000000.	
Transaction date	20	8	D	C	It is not used in uploads. It will be generated by the IPI system and is always present in the downloaded files.	
Transaction time	28	6	T	C	It is not used in uploads. It will be generated by the IPI system and is always present in the downloaded files.	
Code of remitting society	34	3	N	M	Society code of the society originating this transaction.	9,10
Name of remitting society	37	20	A	M	Society name of the society originating this transaction.	11
IP-BASE-NUMBER	57	13	A	M	It is the IP-BASE-NUMBER of the IP which is used in this transaction.	1
Current status code	70	1	N	M	It is the current status code of the IP which is used in this transaction.	2
IP-NAME-NUMBER	71	11	N	M	It is the IP-NAME-NUMBER of the patronym of the IP which is used in this transaction.	3
Name type	82	2	A	M	It is the name type of the patronym of the IP which is used in this transaction.	4
IP-BASE-NUMBER-ref.	84	13	A	M	It is the IP-BASE-NUMBER of the reference IP, which is related to the current status of the IP which is used in this transaction.	5
Current status code ref.	97	1	N	M	It is the current status code of the IP identified by IP-BASE-NUMBER-ref.	6

IP-NAME-NUMBER-ref.	98	11	N	M	It is the IP-NAME-NUMBER of the patronym of the IP identified by IP-BASE-NUMBER-ref.	7
Name type ref.	109	2	A	M	It is the name type of the patronym of the IP identified by IP-BASE-NUMBER-ref.	8

Transaction Level Validation

1. Exactly one STO is required. (TR)
2. The last and only status of an IP for one IP cannot be deleted. (TR)

Field Level Validation

1. **IP-BASE-NUMBER** must exist in the IPI Database. (TR)
2. **Current status** code must be the current status code of the IP identified by **IP Base number**. (TR)
3. **IP-NAME-NUMBER-ref.** must identify the patronym of the IP (**IP-BASE-NUMBER**) (TR)
4. **Name type** must be PA. (TR)
5. **IP-BASE-NUMBER-ref.** must be the same as **IP-BASE-NUMBER**, if the **Current status code** indicates self reference, or total deletion (Code 1 or 4). **IP-BASE-NUMBER-ref.** must be different from **IP-BASE-NUMBER** and must identify the reference IP related to the **Current status code** for purchase or xref-deletion (Code 2 or 3). (TR)
6. **Current status code ref.** must be the current Status code of the IP identified by **IP-BASE-NUMBER-ref.** (TR)
7. **IP-NAME-NUMBER-ref.** must identify the patronym of the IP identified by **IP-BASE-NUMBER-ref.** (TR)
8. **Name type ref.** must be the name type of the patronym of the IP identified by **IP-BASE-NUMBER-ref.** It must be PA. (TR)
9. **Code of remitting society** invalid (not found in SOC domain). (TR)
10. No partnership between **Code of remitting society** and HDR Sender ID society (relationship not found in SOP domain). (TR)
11. **Name of remitting society** invalid. (TR)
12. **Record type**: Only one transaction header per transaction. (TR)

Processing Considerations

All existing Status of the IP will be included in the downloaded file using STN detail records.

Status delete transactions are restricted and must follow the business rules. See Document “ISIP-0021 IPI Management Committee-IPI General Description and Business Rules” section 6.21.1 Restrictions on updates of Names and Status. (TR, error code 200)

FRJ: File rejection

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Transaction Description

This transaction is generated when an entire uploaded file is rejected.
This transaction is included in downloaded files for the file submitters only.

Record Format

Transaction Field	Start	Size	Fmt	Req	Field Description
Record type	1	3	A	M	FRJ (File rejection)
Transaction sequence no.	4	8	N	M	Unique sequential number identifying the transaction within a group, starting at 00000000.
Detail record sequence no.	12	8	N	M	00000000.
Transaction date	20	8	D	M	It will be generated by the IPI system.
Transaction time	28	6	T	M	It will be generated by the IPI system.
Sender society code	34	3	N	M	Sender society code of the rejected file.
Sender society name	37	20	A	M	Sender society name of the rejected file.
Sender Name	57	8	A	M	User ID sending the file.
Status code	65	4	A	M	Status code generated by the IPI system for each transaction.
Status message	69	80	A	M	Response message associated to the status code, including corrective actions if any.
File name ref.	149	12	A	M	File name of the rejected file.
Creation date	161	8	D	M	Creation date of the rejected file.
Creation time	169	6	T	M	Creation time of the rejected file.
Transmission date	175	8	D	M	Transmission date of the rejected file.

GRJ: Group rejection

Transaction Description

This transaction is generated when an entire group of an uploaded file is rejected.
This transaction is included in downloaded files for file submitters only.

Record Format

Transaction Field	Start	Size	Fmt	Req	Field Description
Record type	1	3	A	M	GRJ (Group rejection)
Transaction sequence no.	4	8	N	M	Unique sequential number identifying the transaction within a group, starting at 00000000.
Detail record sequence no.	12	8	N	M	00000000.
Transaction date	20	8	D	M	It will be generated by the IPI system.
Transaction time	28	6	T	M	It will be generated by the IPI system.
Sender society code	34	3	N	M	Sender society code of the uploaded file.
Sender society name	37	20	A	M	Sender society name of the uploaded file.
Sender Name	57	8	A	M	User ID sending the file.
Status code	65	4	A	M	Status code generated by the IPI system for each transaction.
Status message	69	80	A	M	Response message associated to the status code, including corrective actions if any.
File name ref.	149	12	A	M	File name of the uploaded file
Creation date ref.	161	8	D	M	Creation date of the uploaded file.
Creation time ref.	169	6	T	M	Creation time of the uploaded file.
Transmission date ref.	175	8	D	M	Transmission date of the uploaded file.
Group ID ref.	183	8	N	M	Group sequence number of the rejected group in the uploaded file.

Detail records:

Are used to complete transactions

Detail records defined are:

BDN / BDO: Base data new / old
INN / INO: Inherited name single IP usage new / old
IMN / IMO: Inherited name multi IP usage new / old
MAN / MAO: Membership agreement new / old
MCN / MCO: Name Multi IP connection new / old
MUN / MUO: Name multi IP usage new / old
NCN / NCO: Name single IP connection new / old
NTN / NTO: Nationality new / old
NUN / NUO: Name single IP usage new / old
ONN / ONO: Other name connection
REN / REO: Remark new / old
STN / STO: Status of IP new / old
TMA: Territory used in membership agreements

CCL: Creation class
IRI: IPI-Right
ISC: IPI status code
NMT: Name type
RCC: Role of creation class
RIG: Right
RIS: Role of IPI Right of a society
RIX: Role of IPI Right of a society extended
ROL: Role
SOC: Society
SOP: Society partnership
CSC: Creation subclass of creation class

TNR: Territory TISN
TNA: Territory TISAN
HNR: Territory Hierarchy TISN
HNA: Territory Hierarchy TISAN

TRS: Transaction status
DRS: Detail record status

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BDN / BDO: Base data new / old

Record Description

These detail records are used to maintain (add, update) the base data of an IP.

They are used as detail records of IPA and BDU transactions.

The IP is identified by the IP-BASE-NUMBER defined in the transaction header record of the transaction in progress.

Record Format

Base-data						
Field	Start	Size	Fmt	Req	Field Description	Field Rules
Record type	1	3	A	M	BDN / BDO (Base data new / old)	19,20,21,22
Transaction sequence no.	4	8	N	M	Unique sequential number identifying the transaction within a group in which this record is included.	
Detail record sequence no.	12	8	N	M	Unique sequential number identifying this record within a transaction, starting at 00000001.	
Type of interested party	20	1	A	M	N=natural person or L=legal entity.	1,2
Year of birth/foundation	21	4	A	C	Year of birth for natural persons or year of foundation for legal entities.	3,6,7,24,25
Month of birth/foundation	25	2	A	C	Month of birth for natural persons or month of foundation for legal entities.	4,6,7,24,25
Day of birth/foundation	27	2	A	O	Day of birth for natural persons or day of foundation for legal entities.	5,6,24,26
Year of death/dissolution	29	4	A	C	Year of death for natural persons or year of dissolution for legal entities.	8,11,12,26
Month of death/dissolution	33	2	A	C	Month of death for natural persons or month of dissolution for legal entities.	9,11,12,26
Day of death/dissolution	35	2	A	O	Day of death for natural persons or day of dissolution for legal entities.	10,11,26
Place of birth/foundation	37	30	A	O	Place of birth for natural persons or place of foundation for legal entities.	23
State of birth/foundation	67	30	A	O	State of birth for natural persons or state of foundation for legal entities.	23
TISN birth/foundation	97	4	N	O	Country of birth for natural persons or country of foundation for legal entities. The TIS-N of the country defined in TIS is used.	13
TISN valid from	101	8	D	C	TISN valid from date (supplied in downloaded files).	
TISAN birth/foundation	109	20	A	O	Country of birth for natural persons or country of foundation for legal entities. The abbreviated name of the country defined in TIS is used.	18
TISAN valid from	129	8	D	C	TISAN valid from date (supplied in downloaded files).	
Sex	137	1	A	O	F=female or M=male (natural persons only).	14,27
Amendment date	138	8	D	C		15
Amendment time	146	6	T	C		16

Field Level Validation

1. *Type of interested party* must be 'N' for natural persons or 'L' for legal entities. (TR)
2. *Type of interested party* may not be updated. (TR)
3. *Year of birth/foundation*, if present (not blank), must be a valid year and may not be greater than the current year. (TR)
4. *Month of birth/foundation*, if present (not blank), must be a valid month. (TR)
5. *Day of birth/foundation*, if present (not blank), must be a valid day. (TR)
6. If *Day of birth/foundation* is present (not blank), then *Month of birth/foundation* and *Year of birth/foundation* must both be present and must all together represent a valid date in the past. (TR)
7. If *Month of birth/foundation* is present (not blank), then *Year of birth/foundation* must be present and must all together represent a valid year and month in the past. (TR)
8. *Year of death/dissolution*, if present (not blank), must be a valid year and may not be greater than the current year. (TR)
9. *Month of death/dissolution*, if present (not blank), must be a valid month. (TR)
10. *Day of death/dissolution*, if present (not blank), must be a valid day. (TR)
11. If *Day of death/dissolution* is present (not blank), then *Month of death/dissolution* and *Year of death/dissolution* must both be present and must all together represent a valid date in the past and must be greater than *Year of birth/foundation*, *Month of birth/foundation* and/or *Day of birth/foundation*, if such data is present. (TR)
12. If *Month of death/dissolution* is present (not blank), then *Year of death/dissolution* must be present and must all together represent a valid year and month in the past and must be greater than *Year of birth/foundation*, *Month of birth/foundation* and/or *Day of birth/foundation*, if such data is present. (TR)
13. *TISN birth/foundation*, if specified, must match an entry in the TIS. (TR)
14. *Sex*, if specified, is only valid for natural persons and must be F for females or M for males. (TR)
15. *Amendment date* must be the date of the last amendment in BDO records. (TR)
16. *Amendment time* must be the time of the last amendment in BDO records. (TR)
17. *Amendment date*, *Amendment time* are always present in downloaded files. (TR)
18. *TISAN birth/foundation*, if specified, must be the English version of the TIS Abbreviated name related to *TISN birth/foundation* and the *Date of birth/foundation*. If *Date of birth/foundation* is not specified, then the current date is used to determine the TIS Abbreviated name. Providing a TISAN without providing the TISN will be ignored in BDN records.(TR)
19. *Record type* BDN is valid only in IPA or BDU transactions.
Record type BDO is valid only in BDU transactions. (TR)
20. *Record type* BDN and BDO must be unique within transactions. (TR)
21. *Record type* BDN must follow BDO within BDU transactions. (TR)
22. *Record type* BDN/BDO when used in BDU transactions cannot be identical: they must represent a real update. (TR)
23. *Place of Birth/foundation* must include characters, IPI-character-set compliant. (TR)
24. *Record type BDN in BDU transaction, if the date of birth/foundation is provided then this must be earlier than the validFrom date of all existing membership agreements.*
25. *Record type BDO. The date of birth/ foundation must match the existing value in IPI.*
26. *Record type BDO. The date of death/ dissolution must match the existing value in IPI.*
27. *Record type BDO. The sex must match the existing value in IPI.*
- 23-28.

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Processing Considerations

Before images (BDO) must be included in BDU transactions. After images (BDN) are used to add (IPA transactions), or update (BDU transactions) the base data of an IP.

Usage examples of these detail records are included in the IPI EDI examples document: EX. 1, EX. 2, EX. 3.

IMN / IMO: Inherited name multi IP usage new / old

Record Description

Name usage is the connection of IP names to IP activities: creation classes, roles, rights. IP activities are generated by NUN detail records for the patronym (NUN processing considerations)

IMN / IMO detail records are used to maintain name usage for other names (DF, ST, types) of PG, HR names.

These other names always inherit the name usage from the corresponding PG, HR names connected to one or more IPs.

They are automatically generated by the IPI system and are present in downloaded files only.

Record Format

Inherited name multi IP usage						
Field	Start	Size	Fmt	Req	Field Description	Field Rules
Record type	1	3	A	M	IMN / IMO (Inherited name multi IP usage new / old)	
Transaction sequence no.	4	8	N	M	Unique sequential number identifying the transaction within a group in which this record is included.	
Detail record sequence no.	12	8	N	M	Unique sequential number identifying this record within a transaction, starting at 00000001.	
IP-NAME-NUMBER	20	11	N	M	IP-NAME-NUMBER of the other name of an IP name.	1,3
Creation class code	31	2	A	M	Creation class code of the name usage.	2
Role code	33	2	A	M	Role code of the name usage.	2
IP-BASE-NUMBER	35	13	A	M	IP-BASE-NUMBER of the IP linked to this name usage	3

Field Level Validation

1. **IP-NAME-NUMBER** must identify the other name related through its parent name to the IP-BASE-NUMBER of the detail record. (TR)
2. The combination of **Creation class code** and **Role code** must be a valid entry in the corresponding domain (RCC detail record) (TR)
3. Name multi IP connection, and multi IP name usage (determined by **Creation class code**, **Role code**), between the parent name of the other name and the IP identified by **IP-BASE-NUMBER** must exist (TR)

Processing Considerations

IP-BASE-NUMBER, creation class and role, determine all entries needed in the role of IPI right of an IP entity. The combination of these entries with the IP-NAME-NUMBER, is the name usage.

After images (IMN) are used to add all needed connections. (Name usage entity).

Before images (IMO) are used to delete all existing connections (Name usage entity).

Usage example of these detail records are included in the IPI EDI examples document: EX. 15.

INN / INO: Inherited name single IP usage new / old

Record Description

Name usage is the connection of IP names to IP activities: creation classes, roles, rights. IP activities are generated by NUN detail records for the patronym (see NUN processing considerations)

INN / INO detail records are used to maintain name usage for other names (DF, ST types) of PA, PP, OR names

These other names always inherit the name usage from the corresponding PA, PP, OR or MO names (connected to one IP).

They are automatically generated by the IPI system and are present in downloaded files only.

Record Format

Inherited name single IP usage						
Field	Start	Size	Fmt	Req	Field Description	Field Rules
Record type	1	3	A	M	INN / INO (Inherited name single IP usage new / old)	
Transaction sequence no.	4	8	N	M	Unique sequential number identifying the transaction within a group in which this record is included.	
Detail record sequence no.	12	8	N	M	Unique sequential number identifying this record within a transaction, starting at 00000001.	
IP-NAME-NUMBER	20	11	N	M	IP-NAME-NUMBER of the other name of an IP name.	1
Creation class code	31	2	A	M	Creation class code of the name usage.	2
Role code	33	2	A	M	Role code of the name usage.	2

Transaction Level validation

1. Name single IP connection and single IP name usage (creation class, role), between the parent name of the other name and the IP identified by IP-BASE-NUMBER of the transaction in progress must exist. (TR)

Field Level Validation

1. **IP-NAME-NUMBER** must identify the other name related through its parent name to the IP-BASE-NUMBER of the transaction in progress. (TR)
2. The combination of **Creation class code** and **Role code** must be a valid entry in the corresponding domain (RCC detail record) (TR)

Processing Considerations

IP-BASE-NUMBER (found in the transaction record), creation class and role, determine all entries needed in the role of IPI right of an IP entity. The combination of these entries with the IP-NAME-NUMBER, is the name usage.

After images (INN) are used to add all needed connections. (Name usage entity).

Before images (INO) are used to delete all existing connections (Name usage entity).

Usage examples of these detail records are included in the IPI EDI examples document: EX. 7, EX. 8.

MAN / MAO: Membership agreement new / old

Record Description

These detail records are used to maintain (add, update, delete) the membership agreement of IP's with their societies. The IP is identified by the IP-BASE-NUMBER defined in the transaction header record of the transaction in progress.

Record Format

Mem. Agreement Field	Start	Size	Fmt	Req	Field Description	Field Rules
Record type	1	3	A	M	MAN / MAO (membership agreement new / old)	2,4,12,13,14
Transaction sequence no.	4	8	N	M	Unique sequential number identifying the transaction within a group in which this record is included.	
Detail record sequence no.	12	8	N	M	Unique sequential number identifying this record within a transaction, starting at 00000001.	
Society code	20	3	N	M	IPI society code of the agreement.	1,3,8
Creation class code	23	2	A	M	Creation class code of the agreement.	2,8
Role code	25	2	A	M	Role code of the agreement.	3,8
Right code	27	2	A	M	Right code of the agreement.	4,8
Valid from date	29	8	D	M	Valid from date of the agreement.	5,6,7
Valid from time	37	6	T	M	Valid from time of the agreement.	5
Valid to date	43	8	D	M	Valid to date of the agreement	5
Valid to time	51	6	T	M	Valid to time of the agreement	5
Date of signature	57	8	D	M	Date when the agreement was signed	7
Membership share	65	5	N	M	Membership share of the agreement.	9
Amendment date	70	8	D	C	Required for MAO. It will always be present in downloaded files.	10
Amendment time	78	6	T	C	Required for MAO. It will always be present in downloaded files.	11

Transaction Level Validation

1. Membership agreements concerning one Role of an IPI right may not exceed 100 % of *Membership share* with one or more societies for the same territory at the same point in time (TR)

Field Level Validation

1. *Society code* must be a valid entry in the SOC (Society) domain. (TR)
2. *Record type* MAN is valid only in IPA, MAA and MAU transactions. *Record type* MAO is valid only in MAU and MAD transactions (TR)
3. If *Society code* and *Code of remitting society* in the transaction header of the transaction in progress are different, there must be a partnership between the two societies (SOP Domain) (TR)
4. A valid name usage for the patronym referenced by *IP-NAME-NUMBER* in the transaction header of the transaction in progress must already exist in the IPI system or must be supplied within the transaction in progress preceding the MAN detail record (see NUN detail record) (TR)
5. The combination of *Valid from date* and *Valid from time* is the valid from point in time of the agreement. This must be smaller than the valid to point in time of the agreement, determined by the combination of *Valid to date* and *Valid to time*. (TR)
6. *Valid from date* must be greater than or equal to *Date of birth/foundation* (if known) of the IP

identified by the **IP-BASE-NUMBER** of the transaction in progress. (TR)

7. **Date of signature** must be a valid date and must be in the range of **Date of birth/foundation** (if known) and **Valid from date**. (TR)
8. **For MAN records**, the combination of **Society code** with **Creation class code**, **Role code** and **Right code** must exist in the Role of IPI right of a society entity (RIS domain). There is no check for MAO records since the agreement being updated or deleted might belong to a society which does not manage the existing rights anymore. (TR)
9. **Membership share** must be between 00001 (000.01 %) and 10000 (100.00 %) (TR)
10. **Amendment date** must be the date of the last amendment in MAO records (TR)
11. **Amendment time** must be the time of the last amendment in MAO records (TR)
12. A new membership agreement (MAN detail record) must be unique within the IPI system. It may not have the same **IP-NAME-NUMBER** (transaction header), **Society code**, **Creation class code**, **Role code**, **Right code**, **Valid from date** and **Valid from time** as any existing membership agreement (TR)
13. For MAU transactions: MAO, MAN pairs must be supplied. MAO with TMA's must immediately precede MAN with TMA's. (TR)
14. MAO/MAN records are always followed by one or more TMA detail records used to define the territory of the Membership agreement (TR)

Processing Considerations

After images (MAN) with the corresponding TMA detail records are used to add the membership agreement (Membership agreement, Territory of a membership agreement entities).

Before images (MUO) with the corresponding TMA detail records are used to delete the membership agreement (Membership agreement, Territory of a membership agreement entities).

Usage examples of MAN detail records are included in the IPI EDI examples document: EX. 1, EX. 2, EX. 16

MCN / MCO: Name multi IP connection new / old

Record Description

These detail records are used to maintain (add, update) names of PG, HR types.
They are further used to maintain the name multi IP connections.

Record Format

Name multi IP connection						
Field	Start	Size	Fmt	Req	Field Description	Field Rules
Record type	1	3	A	M	MCN / MCO (Name multi IP connection new / old)	9,10,12,14,17,19
Transaction sequence no.	4	8	N	M	Unique sequential number identifying the transaction within a group in which this record is included.	
Detail record sequence no.	12	8	N	M	Unique sequential number identifying this record within a transaction, starting at 00000001.	
IP-NAME-NUMBER	20	11	N	C	IP-NAME-NUMBER of the PG, or HR.	1,11,15,18
Name	31	90	A	M	Name of the PG or HR type.	2,19
Name type	121	2	A	M	PG or HR.	3,13,20
Date of creation	123	8	D	C		4
Time of creation	131	6	T	C		5
Date of last amendment	137	8	D	C		6
Time of last amendment	145	6	T	C		7
IP-BASE-NUMBER	151	13	A	C	IP-BASE-NUMBER of the IP linked to this name.	8

Field Level Validation

1. **IP-NAME-NUMBER** IPA or NCA transactions: If it is not entered in MCN records of the uploaded files (blank filled), then a new name will be added. If entered it must point to an existing name in the IPI system. Name, name-type, creation, amendment date and time in the database must match the corresponding fields of the uploaded image. NCU transactions: It must be entered(not blank filled) and must point to an existing name in the IPI system, which is not a PA name type. For MCO detail records it must point to an IP-name connected to NCU-IP-BASE-NUMBER old, resp NCD-IP-BASE-NUMBER. (TR)
2. **Name** may not be empty (blank filled), and must be consistent with the name editing rules as defined in the section **IPI Name related format rules**. (TR)
3. **Name type** must be either PG (Pseudonym group for natural persons only) or HR (Holding reference for legal entities only). (TR)
4. **Date of creation** is the date of the creation. Must be empty in MCN records of uploaded files (blank filled) if IP-NAME-NUMBER is blank filled, otherwise it must be present and consistent. (TR)
5. **Time of creation** is the time of the creation. Must be empty in MCN records of uploaded files (blank filled) if IP-NAME-NUMBER is blank filled, otherwise it must be present and consistent. (TR)
6. **Date of last amendment** is the date of the last amendment. Must be empty in MCN records of uploaded files (blank filled), otherwise it must be present and consistent. (TR)
7. **Time of last amendment** is the time of the last amendment. Must be empty in MCN records of uploaded files (blank filled), otherwise it must be present and consistent. (TR)
8. **IP-BASE-NUMBER** must be empty (blank filled) in IPA transactions of the uploaded files,

otherwise it must be present and must match the IP-BASE-NUMBER in NCA, NCD transactions, or the IP-BASE-NUMBER new (MCN), resp. IP-BASE-NUMBER old (MCO) in NCU transactions. (TR)

9. **Record type** MCN Valid transactions: IPA, NCA or NCU. (TR)
10. **Record type** MCO Valid transactions: NCU or NCD. (TR)
11. **IP-NAME-NUMBER** CAE migration: must be present in IPA transactions and must correspond to a valid CAE number. Use of these numbers must follow the migration rules.(TR)
12. **Record type** MCN must be uploaded after the NCN for the patronym (NCN name type = PA) in IPA transactions. (TR)
13. **IP name type** HR : max 1 name with this name type per IP(legal entities only). (TR)
14. **Record type** MCN / MCO: Either one name single IP connection old (NCO in NCU transaction), or one other name old (ONO in NCU transaction), or one name multi IP connection old (MCO in NCD or NCU transactions) can be uploaded per transaction. Either one name single IP connection new (NCN) or one other name new (ONN), or one name multi IP connection new (MCN) can be uploaded in NCA or NCU transactions. (TR)
15. **IP-NAME-NUMBER** Max one name connection with this **IP-NAME-NUMBER** per IP. (TR)
16. **Record type** MCN must be uploaded immediately after a name connection old (NCO or MCO or ONO) detail record with the same IP-NAME-NUMBER, in NCU transactions. (TR)
17. **Record type** MCN / MCO: **IP-BASE-NUMBER, Name, Name-type** should not be equal in MCN and MCO detail records of NCU transactions. (TR)
18. **IP-NAME-NUMBER** NCU transactions: In case of a name connection relink from one IP to another IP (NCU-IP-base-number-old not = NCU-IP-base-number-new) if **IP-NAME-NUMBER** points to a name with **Name type** other than DF or ST, then there should be no name usages of this name related to NCU-IP-base-number-old. NCD transactions: There should be no name usages related to IP-BASE-NUMBER (MCO detail records). (TR)
19. **Record type** MCO in NCD transactions: The name must be connected to at least two IP's. (TR)
20. **Record type MCN in NCU transactions: In case of a name connection relink from one IP to another IP (NCU-IP-base-number-old not = NCU-IP-base-number-new) if the old name is a multiname (type PG or HR) then a change of name type is disallowed. ie. No change PG->HR or HR->PG when relinking multinames.(TR)**
- 19-21. **The IP referenced in the transaction header for NCU (old), NCD, NCA must either have no agreements or agreements (irrespective whether valid or terminated) with the society performing the transaction. (TR)**

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Processing Considerations

After images (MCN) are used to add or update the name entity of the PG, or HR (IP name entity). They are then used to add a multi IP name connection between the IP-NAME-NUMBER of the PG (Pseudonym group entity) or HR (Holding reference entity) and the IP-BASE-NUMBER-ref. in the detail record.

Before images (MCO) are used for consistency checks, and to delete the multi IP name connection between the IP-NAME-NUMBER of the PG (Pseudonym group entity) or HR (Holding reference entity) and the IP-BASE-NUMBER-ref. in the detail record.

Usage examples of MCN / MCO detail records are included in the IPI EDI examples document: EX. 9, EX. 10, EX. 13.

MUN / MUO: Name multi IP usage new / old

Record Description

Name usage is the connection of IP names to IP activities : creation classes, roles, rights. IP activities are generated by NUN detail records for the patronym (see NUN processing considerations)

MUO / MUN detail records are used to maintain (add, delete) name usage of PG, HR name types.(connected to one or more IPs)

Record Format

Name multi IP usage						
Field	Start	Size	Fmt	Req	Field Description	Field Rules
Record type	1	3	A	M	MUN / MUO (Name multi IP usage new / old)	2,7,8,9
Transaction sequence no.	4	8	N	M	Unique sequential number identifying the transaction within a group in which this record is included.	
Detail record sequence no.	12	8	N	M	Unique sequential number identifying this record within a transaction, starting at 00000001.	
IP-NAME-NUMBER	20	11	N	C	IP-NAME-NUMBER of the name multi IP usage.	1,6,10
Creation class code	31	2	A	M	Creation class code of the usage.	3
Role code	33	2	A	M	Role code of the name usage.	4
IP-BASE-NUMBER	35	13	A	C	IP-BASE-NUMBER of the name multi IP usage.	5,6

Field Level Validation

1. **IP-NAME-NUMBER** is always present in downloaded files. If it is not entered in MUN records (blank filled) in uploaded files (in IPA, or NCA transactions), then it refers to the IP-NAME-NUMBER generated for the previous MCN detail record, supplied within the same transaction. It must always be present (not blank filled) and must exist in the IPI Database in MUO records. (TR)
2. **Record type** MUN Valid transactions: IPA, NCA, NUA. (TR) MUN detail records can be present in NCU transactions of downloaded files only, in case of Name-Type updates of the corresponding names as needed. (implies format update of the corresponding name usage).
3. **Creation class code** must be a valid entry in the corresponding domain (CCL detail record) (TR)
4. **Role code** must be a valid role for this creation class in the corresponding domain (RCC detail record) (TR)
5. **IP-BASE-NUMBER** must be empty (blank filled) in IPA transactions of the uploaded files (MUN), otherwise it must be present and it must point to a valid entry in the IPI Database. (TR)
6. Name multi IP connections between **IP-NAME-NUMBER** and **IP-BASE-NUMBER** must exist in the IPI Database. (TR)
7. **Record type** MUO Valid transactions: NUD. (TR). MUO detail records can be present in NCU transactions of downloaded files only, in case of Name-Type updates of the corresponding names as needed. (implies format update of the corresponding name usage).
8. **Record type** MUN The related name (MCN) must be previously uploaded in IPA, or NCA transactions. (TR)
9. **Record type** MUN / MUO The name usage represented by this detail records must be unique, it must be administered by the remitting society specified in the transaction header, and must exist for the patronym of the IP currently processed. (TR)
10. **IP-NAME-NUMBER** If entered (not blank filled) in MUN records of uploaded files must point to

an existing PG or HR type name in the database. It must always be present in NUA transactions.
(TR)

Processing Considerations

The IP processed is identified by the IP-BASE-NUMBER defined in the detail record.

When MUN (after image) records are processed, then the IP name gets connected to all IPI rights determined by the creation class and the role (added in Name usage entity).

When MUO (before image) records are processed, then the IP name gets disconnected from all IPI rights determined by the creation class and the role (deleted in Name usage entity).

NCN / NCO: Name single IP connection new / old

Record Description

These detail records are used to maintain (add, update) names of PA, PP or OR name types.

NCN detail records are used for MO types.

They are further used to maintain the single-IP name connections

Record Format

Name single IP connection						
Field	Start	Size	Fmt	Req	Field Description	Field Rules
Record type	1	3	A	M	NCN / NCO (Name single IP connection new / old)	9,14,18,21,25
Transaction sequence no.	4	8	N	M	Unique sequential number identifying the transaction within a group in which this record is included.	
Detail record sequence no.	12	8	N	M	Unique sequential number identifying this record within a transaction, starting at 00000001.	
IP-NAME-NUMBER	20	11	N	C	IP-NAME-NUMBER of PA, PP, or OR name types.	1,10,17,19,20,23,24
Name	31	90	A	M	Name identified by IP-NAME-NUMBER.	2
First name	121	45	A	C	First name identified by IP-NAME-NUMBER.	3
Name type	166	2	A	M	PA, PP, OR or MO.	4,11,12,13,15,16,22
Date of creation	168	8	D	C		5
Time of creation	176	6	T	C		6
Date of last amendment	182	8	D	C		7
Time of last amendment	190	6	T	C		8

Field Level Validation

1. **IP-NAME-NUMBER** must be empty (blank filled) in IPA (Exception: CAE Migration) and NPA transactions. (TR)
2. **Name** may not be empty (blank filled) and must follow the IPI rules for names (see section **IPI Name related format rules**). For NCO detail records it must match the **Name** in IPI. (TR)
3. **First name**, if specified, is only valid for natural persons and must follow the IPI rules for names (see section **IPI Name related format rules**). For NCO detail records it must match the **First name** in IPI. (TR)
4. **Name type** must be either PA (for IPA, NPA and NCU transactions), PP (for natural persons only), OR (for legal entities only) or MO (for the old patronym in NPA transactions, in downloaded files only). For NCO detail records it must match the Name type in IPI. (TR)
5. **Date of creation** is the date of the creation. Must be empty in NCN records of uploaded files (blank filled) in IPA, NCA transactions, otherwise it must be present and consistent. (TR)
6. **Time of creation** is the time of the creation. Must be empty in NCN records of uploaded files (blank filled) in IPA, NCA transactions, otherwise it must be present and consistent. (TR)
7. **Date of last amendment** is the date of the last amendment. Must be empty in NCN records of uploaded files (blank filled), otherwise it must be present and consistent. (TR)
8. **Time of last amendment** is the time of the last amendment. Must be empty in NCN records of uploaded files (blank filled), otherwise it must be present and consistent. (TR)

9. **Record type** NCN: Valid transactions are: IPA, NPA, NCA and NCU.
Record type NCO: Valid transaction NCU. (TR)
10. **IP-NAME-NUMBER** must be present in uploaded files if migrating from CAE. It must be absent in the IPI system and must be unique within the transaction in progress. (TR)
11. **Name type** PA only one NCN with **Name type** PA can be uploaded. (TR)
12. **Name type** must be consistent with **Type of interested party** (see IPI General Description). (TR)
13. **Name type** PA (patronym) must be the first NCN detail record uploaded in IPA transactions. (TR)
14. BDN detail record must precede NCN detail record in IPA transactions. (TR)
15. **Name type** PA (patronym) is not allowed in NCA transactions. (TR)
16. **Name type** must be PA in NPA transactions. (TR)
17. **IP-NAME-NUMBER** must be present (not blank filled) in NCU transactions and must exist in the IPI system. (TR)
18. **Record type** NCN/NCO: Exactly one NCN can be uploaded in NCA, NCU or NPA transactions. Exactly one NCO can be uploaded in NCU transactions. (TR)
19. **Record type** NCN must be uploaded immediately after a name connection old (NCO or MCO or ONO) detail record with the same IP-NAME-NUMBER, in NCU transactions. (TR)
20. **IP-NAME-NUMBER** must exist in the IPI system (NCU transactions), for **record type** NCO: it must point to a name related to the IP identified by **NCU-IP-BASE-NUMBER-OLD**. (TR)
21. NCU transactions: When a patronym is updated then the NCO and NCN needed must point to the same IP name. **IP-NAME-NUMBER-new**, **IP-NAME-NUMBER-old** in transaction header must also point to the same IP name (same as in NCN/NCO). PA names may not be relinked to another IP.(TR)
22. **Name type** PA cannot change in NCU transactions. (TR)
23. **IP-NAME-NUMBER** NCU transactions: In case of a name connection relink from one IP to another IP (NCU-IP-base-number-old not = NCU-IP-base-number-old) if IP-NAME-NUMBER points to a name with name type other than DF or ST, then there should be no name usage for this name. (TR)
24. **IP-NAME-NUMBER** of NCN detail records in NCU transactions: If it points to a PG or HR name-type IP-name, then this name must be connected to exactly one IP identified by NCU-IP-BASE-NUMBER-old and should have no connections to other IP's. (TR)
25. **Record type** NCN / NCO **NCU-IP-BASE-NUMBER new = NCU-IP-BASE-NUMBER old** case: **Name, First name, Name-type** should not be equal in NCN and NCO detail records of NCU transactions (they should represent a real update). (TR)
- ~~25-26.~~ **The IP referenced in the transaction header for NCU (old), NPA, NCA must either have no agreements or agreements (irrespective whether valid or terminated) with the society performing the transaction. In the case of NCU with name relink, the society making the change must have agreements with either the old or the new IP or neither IP has any agreements, neither terminated nor valid. (TR)**

Processing Considerations

After images (NCN) are used to add or update the name entity identified by IP-NAME-NUMBER of the detail record (IP name entity).

IPA, NCA transactions :

The NCN (after images) are used to add the connection between IP-NAME-NUMBER in the detail record and IP-BASE-NUMBER found in the transaction header record of the transaction in progress.

NCU transactions :

Before images (NCO) are used for consistency checks.

When the NCU transaction is used to modify patronyms (fix data entry mistakes), then IP-BASE-NUMBER old and IP-BASE-NUMBER new, in the transaction header, are always equal.

When IP-BASE-NUMBER old and IP-BASE-NUMBER new in the transaction header are different, then NCO records are used to delete the single IP name connection between the IP-NAME-NUMBER

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in the detail record and the IP-BASE-NUMBER old (Name of one IP entity).NCN records are then used to add the single IP name connection between the IP-NAME-NUMBER in the detail record, and the IP-BASE-NUMBER new (Name of one IP entity).

NPA transactions:

Before image (NCO) is used for consistency checks.

After image (NCN) for the new patronym is used to add the new patronym.

After image (NCN) for the old patronym is used to modify the type of the old Patronym from 'PA' to 'MO' name type. 'MO' types are then update protected.

Usage examples of NCN / NCO detail records are included in the IPI EDI examples document: EX. 1, EX. 2, EX. 4, EX. 6, EX. 7, EX. 8, EX. 9, EX. 10, EX. 11, EX. 12, EX. 13, EX. 14, EX. 15.

NTN / NTO: Nationality of an IP new / old

Record Description

These detail records are used to maintain (add, update, delete) the nationality information of an IP (natural persons only).

They are used as detail records of IPA, NTA, NTU, or NTD transactions.

The IP is identified by the IP-BASE-NUMBER defined in the transaction header record of the transaction in progress.

Record Format

Nationality						
Field	Start	Size	Fmt	Req	Field Description	Field Rules
Record type	1	3	A	M	NTN / NTO (Nationality of an IP new / old)	1,11,12, 13
Transaction sequence no.	4	8	N	M	Unique sequential number identifying the transaction within a group in which this record is included.	
Detail record sequence no.	12	8	N	M	Unique sequential number identifying this record within a transaction, starting at 00000001.	
TISN	20	4	N	M	It is the TISN code of TIS, for countries.	2,15
TISN valid from	24	8	D	C	It is the valid from of the TISN.	
TISAN	32	20	A	O	It is the TIS abbreviated name.	3
TISAN valid from	52	8	D	C	It is the valid from of the TIS abbreviated name.	
Valid from year	60	4	N	O	Valid from year of nationality	4,10,14,15
Valid from month	64	2	N	O	Valid from month of nationality	5,10,14,15
Valid from day	66	2	N	O	Valid from day of the nationality	6,10,14,15
Valid to year	68	4	N	O	Valid to year of the nationality.	7,10,14
Valid to month	72	2	N	O	Valid to month of the nationality.	8,10,14
Valid to day	74	2	N	O	Valid to day of the nationality.	9,10,14

Field Level Validation

1. **Record type** NTN/NTO not valid for legal entities. (TR)
2. **TISN** must match an entry in the TIS. (TR)
3. **TISAN**, if specified, must be the English version of the TIS abbreviated name related to **TISN** and the **Valid from date**. (TR)
4. **Valid from year**, if specified, must be a valid year. (TR)
5. **Valid from month**, if specified, must be a valid month. (TR)
6. **Valid from day**, if specified, must be a valid day. (TR)
7. **Valid to year**, if specified, must be a valid year. (TR)
8. **Valid to month**, if specified, must be a valid month. (TR)
9. **Valid to day**, if specified, must be a valid day. (TR)
10. The combination of **Valid from year**, **Valid from month** and **Valid from day** is the valid from point in time of the nationality. This must be smaller than the valid to point in time of the nationality, determined by the combination of **Valid to year**, **Valid to month** and **Valid to day**. (TR).
11. **Record type** NTN valid transactions: IPA, NTA, NTU.
Record type NTO valid transactions: ~~NTD~~, NTU. (TR)
12. **Record type** NTN must immediately follow NTO in NTU transactions. (TR)
13. **Record type** NTN/NTO: BDN, NCN for the patronym detail records must be previously uploaded

in IPA transactions. (TR)

14. ***Record type*** NTN : If multiple nationality records exist for the same territory, then they may not overlap in time. If the validFrom date of a nationality record is missing, then the value used for overlap validation is 1000-01-01. If the validTo date of a nationality record is missing, then value used for validation is 9999-12-31. (TR)

~~13-15.~~ ***Record type*** NTN: the TISN must be valid at the valid from point in time of the nationality.

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Processing Considerations

After images (NTN) are used to add the nationality information (nationality of an IP entity).

Before images (NTO) are used to delete the nationality information (nationality of an IP entity).

Usage example of NTN detail records are included in the IPI EDI examples document: EX. 2.

NUN / NUO: Name single IP usage new / old

Record Description

Name usage is the connection of IP names to IP activities: creation classes, roles, rights.

NUO / NUN detail records are used to maintain (add, delete) name usage of PA, PP, OR name types (connected to exactly one IP).

Record Format

Name single IP usage						
Field	Start	Size	Fmt	Req	Field Description	Field Rules
Record type	1	3	A	M	NUN / NUO (Name single IP usage new / old)	8,9,13,14
Transaction sequence no.	4	8	N	M	Unique sequential number identifying the transaction within a group in which this record is included.	
Detail record sequence no.	12	8	N	M	Unique sequential number identifying this record within a transaction, starting at 00000001.	
IP-NAME-NUMBER	20	11	N	C	IP-NAME-NUMBER of the name single IP usage.	1,10,11,12
Creation class code	31	2	A	M	Creation class code of the usage.	2,7,9
Role code	33	2	A	M	Role code of the name usage.	3,7,9

Field Level Validation

1. If **IP-NAME-NUMBER** is not entered in NUN records (blank filled) of the uploaded files, then it refers to the **IP-NAME-NUMBER** generated for the previous NCN detail record, supplied within the same transaction. (TR)
2. **Creation class code** must be a valid entry in the corresponding domain (CCL detail record) and must be administered by the remitting society of the transaction in progress. (TR)
3. **Role code** must be a valid role for this creation class in the corresponding domain (RCC detail record) and must be administered by the remitting society of the transaction in progress. (TR)
4. NUN detail records are valid only in IPA and NUA transactions. (TR) NUN detail records can be present in NCU transactions of downloaded files only, in case of Name-Type updates of the corresponding names as needed. (implies format update of the corresponding name usage).
5. NUO detail records are valid only in NUD transactions. (TR) NUO detail records can be present in NCU transactions of downloaded files only, in case of Name-Type updates of the corresponding names as needed. (implies format update of the corresponding name usage).
6. NCN detail records must precede NUN detail records in IPA transactions. (TR)
7. The name usage (**Creation class code** and **Role code**) defined by this detail record must be unique and must be administered by the remitting society specified in the transaction header of the transaction in progress. (TR)
8. **Record type** NUN: the name usage represented by this record must be absent in the IPI system. **Record type** NUO: the name usage represented by this record must exist in the IPI system. (TR)
9. **Record type** NUN: If the Name type of the referred name (either by the previous NCN detail record or by the transaction header record) is other than PA, the name usage (**Creation class code** and **Role code**) must exist for the patronym. (TR)
10. **IP-NAME-NUMBER** must match the IP-NAME-NUMBER of the previously uploaded NCN in IPA transaction. (TR)
11. **IP-NAME-NUMBER** must be present (not blank filled) in NUA transactions and must exist in the IPI System. (TR)

12. **IP-NAME-NUMBER** in NUA transactions must point to a NCN name connection of the IP identified by IP-BASE-NUMBER of the transaction in progress. (TR)
13. **NUO** (before image) detail records for patronyms are rejected, if membership agreements, related to this creation class and role, still exist for the IP identified by **IP-BASE-NUMBER** of the transaction in progress. (TR)
14. **NUO** (before image) detail records for patronyms are rejected, if the name usage identified by creation class and role, still exist for pseudonyms of the IP identified by **IP-BASE-NUMBER** of the transaction in progress. (TR)

Processing Considerations

The IP processed is identified by the IP-BASE-NUMBER defined in the transaction header record of the transaction in progress.

NUN (after image) detail records for patronyms (PA) are needed for an IP to connect to IPI rights and roles.

When an NUN (after image) for a patronym is processed, then all IPI rights defined in the creation class and right domain for this creation class, are added for the IP (IPI right of an IP entity). The role is then linked to all those IPI rights of the IP (added in the Role of IPI right of an IP entity).

When NUN (after image) records are processed, then the IP name gets connected to all IPI rights determined by the creation class and the role (added in Name usage entity).

When NUO (before image) records are processed, then the IP name gets disconnected from all IPI rights determined by the creation class and the role (deleted in Name usage entity).

When an NUO (before image) for a patronym is processed, then all IPI rights determined by the creation class and the role are removed (deleted from the Role of an IPI right of an IP entity). If this is the last role of this IP within this creation class, then all connections of the IP to this creation class are removed (deleted from the IPI right of an IP entity).

If needed, INN/INO detail records of existing other names will be automatically generated and included in downloaded files.

Usage examples of NUN / NUO detail records are included in the IPI EDI examples document: EX. 1, EX. 2, EX. 5, EX. 6, EX. 11.

ONN / ONO : Other name connection new / old

Record Description

These detail records are used to maintain (add, update) names of DF, ST types.

Record Format

Other name connection						
Field	Start	Size	Fmt	Req	Field Description	Field Rules
Record type	1	3	A	M	ONN / ONO (Other name connection new / old)	6,11,12,14,15,17
Transaction sequence no.	4	8	N	M	Unique sequential number identifying the transaction within a group in which this record is included.	
Detail record sequence no.	12	8	N	M	Unique sequential number identifying this record within a transaction, starting at 00000001.	
IP-NAME-NUMBER	20	11	N	C	IP-NAME-NUMBER of the other name.	1,13,16,18,19
Name	31	90	A	M	Name of the Other name.	2,17
First name	121	45	A	O	First name of Other name.	3,17
Name type	166	2	A	M	DF or ST.	4,17
Date of creation	168	8	D	C		7
Time of creation	176	6	T	C		8
Date of last amendment	182	8	D	C		9
Time of last amendment	190	6	T	C		10
IP-NAME-NUMBER-ref.	196	11	N	C	IP-NAME-NUMBER of the IP name linked to the other name.	5

Field Level Validation

1. **IP-NAME-NUMBER** if it is not entered in ONN records (blank filled in IPA, NCA transactions) then a new name will be added. If entered it must be an existing name in the IPI database. For **ONO** detail records it must be consistent (complete match with the name in IPI). (TR)
2. **Name** may not be empty (blank filled). (TR)
3. **First name**, if specified, is only valid for other names of PA, PP, MO types (natural persons only). (TR)
4. **Name type** must be either DF or ST. (TR)
5. If **IP-NAME-NUMBER-ref.** is not entered (blank filled) in ONN records (blank filled) of uploaded files, then it refers to the previous IP name generated using an NCN or an MCN detail record of the transaction in progress. (IPA transactions). If entered (not blank filled) then it must point to an IP name of the IP identified by IP-base-number of the transaction in progress. (NCA-IP-BASE-NUMBER in NCA transactions or NCU-IP-base-number-old resp -new in NCU transactions). (TR)
6. **Record type** ONN Valid transactions: IPA, NCA or NCU.
Record type ONO Valid transactions: NCU. (TR)
7. **Date of creation** is the date of the creation. Must be empty in ONN records (blank filled) in IPA, NCA transactions of uploaded files, otherwise it must be present and consistent. (TR)
8. **Time of creation** is the time of the creation. Must be empty in ONN records (blank filled) in IPA, NCA transactions of uploaded files, otherwise it must be present and consistent. (TR)
9. **Date of last amendment** is the date of the last amendment. It must be empty in ONN records (blank filled) of uploaded files, otherwise it must be present and consistent. (TR)

10. **Time of last amendment** is the time of the last amendment. It must be empty in ONN records (blank filled) of uploaded files, otherwise it must be present and consistent. (TR)
11. **Record type** ONO Valid transactions: NCU. (TR)
12. **Record type** ONN must be uploaded after the NCN for the patronym (NCN name type = PA) in IPA transactions. (TR)
13. **IP-NAME-NUMBER** of ONN detail records in CAE migration: must be present in IPA transactions and must correspond to a valid CAE number. Use of these numbers must follow the CAE -> IPI migration rules.(TR)
14. **Record type** ONN / ONO: Either one name single IP connection old (NCO in NCU transaction), or one name multi IP connection old (MCO in NCD or NCU transactions), or one other name connection old(ONO in NCU transactions)can be uploaded per transaction. Either one name single IP connection new (NCN), or one name multi IP connection new (MCN) or one other name connection new(ONN) can be uploaded in NCA or NCU transactions. (TR)
15. **Record type** ONN must be uploaded immediately after a name connection old (NCO or MCO or ONO) detail record with the same IP-NAME-NUMBER, in NCU transactions. (TR)
16. **IP-NAME-NUMBER** of ONN detail records in NCU transactions: If it points to a PG or HR name-type IP-name, then this name must be connected to exactly one IP identified by NCU-IP-BASE-NUMBER-OLD and should have no connections to other IP's. (TR)
17. **Record type** ONN / ONO **NCU-IP-BASE-NUMBER new=NCU-IP-BASE-NUMBER old** case: **Name, First name, Name-type,IP-NAME-NUMBER-ref** should not be equal in ONN and ONO detail records of NCU transactions (they should represent a real update). (TR)
18. **IP-NAME-NUMBER** NCU transactions: In case of a name connection relink from one IP to another IP (NCU-IP-base-number-old not = NCU-IP-base-number-new) or in case of a NAME-TYPE update, if IP-NAME-NUMBER points to a name with name type other than DF or ST, then there should be no name usage for this name. (TR)
19. **IP-NAME-NUMBER** of ONN detail records in NCU transactions: It must point to an IP-name, with no other- name connections, and must not be equal to **IP-NAME-NUMBER-ref**. . (TR)
- 19-20. **The IP referenced in the transaction header for NCU (old), NPA, NCA must either have no agreements or agreements (irrespective whether valid or terminated) with the society performing the transaction.**

Processing Considerations

IPA, NCA, NCU transactions:

After images (ONN) are used to add or update the name entity of the other name (IP name entity). They are then used to add an other name connection between the IP-NAME-NUMBER and the IP-NAME-NUMBER-ref. in the detail record (Other name of an IP name entity) .

Before images (ONO) are used for consistency checks, and to delete the other name connection between the IP-NAME-NUMBER and the IP-NAME-NUMBER-ref. in the detail record (Other name of an IP name entity).

Usage examples of these detail records are included in the IPI EDI examples document: EX. 7, EX. 8, EX. 15.

REN / REO: Remarks of a society new / old

Record Description

These detail records are used to maintain (add, delete) the remarks of a society (remitting society found in the transaction header of the transaction in progress).

They are only included in the downloaded files of the remitting societies.

Record Format

Remark Field	Start	Size	Fmt	Req	Field Description	Field Rules
Record type	1	3	A	M	REN / REO (Remarks of an society new / old)	3,4,5
Transaction sequence no.	4	8	N	M	Unique sequential number identifying the transaction within a group in which this record is included.	
Detail record sequence no.	12	8	N	C	Unique sequential number identifying this record within a transaction, starting at 00000001.	
IP-NAME-NUMBER	20	11	N	C	IP-NAME-NUMBER of a name related to the remark. If it is not entered on REN (after images) of the uploaded files, then it refers to the NCN or MCN previously supplied within the same transaction. This is a required field for downloaded files and REO (before image) record types.	1
Society code	31	3	N	M	Society code of the remitting society.	2
Sequence no.	34	4	N	C	It is not used in uploads. This is a required field for downloaded files. It is the block number of the remark.	
Text	38	20	A	M	Text block for society (private) remarks.	6

Field Level Validation

1. **IP-NAME-NUMBER**, if specified, must be a valid entry in the IPI Database. (TR)
2. **Society code** must be a valid entry in the SOC (Society) domain and it must be the same as the remitting society field in the transaction header record. (TR)
3. **Record type** REN / REO: all remarks referring to one name must be continuous (one after the other) in uploaded or downloaded files. (TR)
4. **Record type** REN: Valid transactions are IPA, NCA and REA.
Record type REO: Valid transaction is RED. (TR)
5. **Record type** REN: Remarks must refer to the previously uploaded NCN, ONN, MCN records in IPA, NPA or NCA transactions. (TR)
- 5-6. **Remark text is case sensitive and is read and written into interchange files as UTF-8 characters set. All UTF-8 characters are allowed.**

Processing Considerations

All new remarks supplied by a transaction are going to replace old remarks if exist.

For new entries of IP names (IPA, NCA transactions) the REN detail records must follow the corresponding NCN, MCN, ONN detail records.

Usage example of REN detail records is included in the IPI EDI examples document: EX. 2

STN / STO: Status of an IP new / old

Record Description

These detail records are used to maintain (add, delete) the status of an IP entity, of the IP identified by the IP-BASE-NUMBER found in the transaction header record of the transaction in progress. Whenever a new status of an IP is added, then this automatically terminates the previous status.

Record Format

Status Field	Start	Size	Fmt	Req	Field Description	Field Rules
Record type	1	3	A	M	STN / STO (Status of an IP new / old)	12,13,14,15,17
Transaction sequence no.	4	8	N	M	Unique sequential number identifying the transaction within a group in which this record is included.	
Detail record sequence no.	12	8	N	M	Unique sequential number identifying this record within a transaction, starting at 00000001.	
IP-BASE-NUMBER-ref.	20	13	A	M	The IP-BASE-NUMBER of the reference IP.	1,2,4,16
Status code	33	1	N	M	1: self referenced independent IP, or 2: purchase (legal entities only), or 3: xref deletion, or 4: total deletion .	3,4,19
Valid from date	34	8	D	M	Begin date of this status of an IP.	5,9
Valid from time	42	6	T	M	Begin time of this status of an IP.	6,9
Valid to date	48	8	D	M	End date of this status of an IP.	7,9
Valid to time	56	6	T	M	End time of this status of an IP.	8,9
Amendment date	62	8	D	C	This is a required field in downloaded files and STO (before image) record types.	10
Amendment time	70	6	T	C	This is a required field in downloaded files and STO (before image) record types.	11

Transaction Level Validation

1. Time dimension is continuous across status of an IP, for one IP. Overlaps in time dimension are not allowed. (TR)

Field Level Validation

1. **IP-BASE-NUMBER-ref.** must be the same as the **IP-BASE-NUMBER** found in the transaction header record of the transaction in progress if the **Status code** is 1 (self reference) or 4 (total deletion) and must be empty (blank filled) in IPA transactions of uploaded files. (TR)
2. **IP-BASE-NUMBER-ref.** must be different from **IP-BASE-NUMBER** found in the transaction header record of the transaction in progress, and must exist in the IPI Database, if the **Status code** is 2 (purchase) or 3 (xref-deletion) and must be of the same IP type (natural person or legal entity). (TR)
3. **Status code** must be 1 (self referenced IP), 2 (purchase), 3 (xref deletion) or 4 (total deletion). (TR)
4. If **Status code** is 2, then the IP in the transaction header record and the IP, identified by **IP-BASE-NUMBER-ref.** must both be legal entities. (TR)

5. **Valid from date** must be a valid date in downloaded files only. (TR)
6. **Valid from time** must be a valid time in downloaded files only. (TR)
7. **Valid to date** must be a valid date in downloaded files only. (TR)
8. **Valid to time** must be a valid time in downloaded files only. (TR)
9. The combination of **Valid from date** and valid from time is the valid from point in time of the status. This must be smaller than the valid to point in time of the status, determined by the combination of **Valid to date** and **Valid to time** and is in downloaded files only. (TR)
10. **Amendment date** It is not used in STN of uploaded files. It must be present in STO of uploaded files and in STO/STN of downloaded files. (TR)
11. **Amendment time** It is not used in STN of uploaded files. It must be present in STO of uploaded files and in STO/STN of downloaded files. (TR)
12. **Record type** STN is valid only in IPA and STA transactions. **Record type** STO is valid only in STD transactions. (TR)
13. **Record type** STN must be unique within IPA and STA transactions. (TR)
14. **Record type** STO The last and only status of an IP cannot be deleted, only the latest (timedimension) status of an IP can be deleted in STD transactions. (TR)
15. **Record type** STN detail record must immediately follow BDN detail record in IPA transactions. (TR)
16. **IP-BASE-NUMBER-ref.** must be specified and must exist in the IPI system in STN records of STA transactions and STO records of STD transactions. (TR)
17. **Record type** STN must represent a different status of an IP than the existing latest status of an IP in STA transactions. (TR)
18. The IP referenced in the transaction header for STA transactions must either have no agreements or agreements (irrespective whether valid or terminated) with the society performing the transaction for STN when the Status code is 1(selfreferenced IP) or 4(total deletion).In STN when Status code is 2 (purchase) or 3 (xref deletion) then there are 2 IPs involved in the transaction, the IP and IP-BASE-NUMBER-ref (referencedIP). If either the IP or the referencedIP has membership agreements with other societies but neither has agreements (valid or terminated) with the society adding the status, then the transaction is prohibited.In STD transactions, the IP must have either no agreements or agreements with the society to be allowed. (TR)
19. Record type STN the status code 4 (total deletion) is not possible. Only users with ADMIN application rights may use status code 4.

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Processing Considerations

All status of an IP information for one IP is included in downloaded files, using one or more STN (after image) detail record types for each transaction.

If STN record is not supplied in IPA transactions, it will be automatically generated.

Usage examples of STN detail records are included in the IPI EDI examples document: EX. 1, EX. 2.

TMA: Territory of a membership agreement

Record Description

They are used to define the IPI membership agreement territory in uploaded files.

Record Format

Territory Field	Start	Size	Fmt	Req	Field Description	Field Rules
Record type	1	3	A	M	TMA (Territory of a membership agreement)	4,5,7,8,9,10,15,16
Transaction sequence no.	4	8	N	M	Unique sequential number identifying the transaction within a group in which this record is included.	
Detail record sequence no.	12	8	N	M	Unique sequential number identifying this record within a transaction, starting at 00000001.	
TISN	20	4	N	M	It is the TISN code of TIS, for countries or territory groups.	1,6,12
TISN valid from	24	8	D	C	It is the valid from date of TISN in downloaded file only.	
TISAN	32	20	A	O	It is the English TIS abbreviated name for countries or standard territory groups.	2
TISAN valid from	52	8	D	C	It is the valid from date of TISAN.	
I/E Indicator	60	1	A	M	I: include or E: exclude.	3,11,13,14

Field Level Validation

1. **TISN** must match an entry in the TIS. (TR)
2. **TISAN**, if specified, must be the English version of the TIS abbreviated name related to **TISN** and the **Valid from date** of the corresponding **MAO/MAN** detail record. (TR)
3. **I/E Indicator** must be either I (include territory) or E (exclude territory). (TR)
4. TMA records are valid only in IPA, MAA, MAD and MAU transactions. (TR)
5. TMA records must be physically placed after MAN/MAO detail records (TR)
6. One TIS-N may occur max. one time within a batch of TMA records for one Membership Agreement. (TR)
7. TMA detail record is rejected because the previously uploaded MAN or MAO detail record is in error. (TR)
8. TMA detail record is rejected because one or more of the previously uploaded TMA detail records are in error. (TR)
9. TMA detail records related to an existing membership agreement (MAO detail record) must exist in the IPI system. (TR)
10. The same number of TMA detail records must be supplied for an existing membership agreement (MAO detail record) and they must exist in the IPI system. (TR)
11. If **I/E Indicator** is E (exclude), the referred territory (**TISN**) must have been explicitly or implicitly (parent group of a territory) included before. (TR)
12. The same **TISN** may not exist in more than one TMA detail record related to a MAN/MAO detail record. (TR)
13. If **I/E Indicator** is I (include), the referred territory (**TISN**) may not be explicitly or implicitly (parent group of a territory) included before. (TR)
14. The combination of all TMA records of an agreement must result a non empty territory. (TR)
15. Membership agreements concerning one Role of an IPI right may not exceed 100 % of

Membership share with one or more societies for the same territory at the same point in time (TR)
16. In MAU transactions the before and after image of an agreement must represent a real update:
MAO with the corresponding TMAs must not be identical to MAN with the corresponding TMAs.

Processing Considerations

TMA records will be entry sequenced processed per Membership Agreement.
A temporary territory list made of single territories (TIS-N range from 0000 to 0999) will be generated, using all TMA records per Membership Agreement.
All present TIS-N referring to territory groups will be resolved into single territories.
Single territories with include indicator (I) will be added in the list if they are not already present (TR).
Single territories with exclude indicator (E) will be removed from the list if they are already present (TR).

The following example, which is used to illustrate the processing considerations, is based on IPI EDI Examples doc EX. 16.

Input from EDI source:

Rec. Type	Seq. No.	TISN	TISAN	I/E Indicator
TMA	1	2129	North America	I
TMA	2	0124	Canada	E
TMA	3	2124	GSA Countries	I
TMA	4	0040	Austria	E

Output on temporary territory list:

TISN	TISAN
------	-------

After processing record with Seq. No. 1

0124	Canada
0484	Mexico
0840	United States

After processing record with Seq. No. 2

0484	Mexico
0840	United States

After processing record with Seq. No. 3

0484	Mexico
0840	United States
0276	Germany
0756	Switzerland
0040	Austria

After processing record with Seq. No. 4

0484	Mexico
0840	United States
0276	Germany
0756	Switzerland

Usage examples of TMA detail records are included in the IPI EDI examples document: EX. 1, EX 2, EX 16.

The following detail records are used to download domains.

They are included in downloaded files only.

CCL: Creation class

Record Format

Creation class					
Field	Start	Size	Fmt	Req	Field Description
Record type	1	3	A	M	CCL (Creation class)
Transaction sequence no.	4	8	N	M	Unique sequential number identifying the transaction within a group in which this record is included.
Detail record sequence no.	12	8	N	M	Unique sequential number identifying this record within a transaction, starting at 00000001.
Creation class code	20	2	A	M	
Creation class desc.	22	60	A	M	
Language code	82	2	A	M	Language code

IRI: IPI right

Record Format

IPI-Right					
Field	Start	Size	Fmt	Req	Field Description
Record type	1	3	A	M	IRI (IPI-Right)
Transaction sequence no.	4	8	N	M	Unique sequential number identifying the transaction within a group in which this record is included.
Detail record sequence no.	12	8	N	M	Unique sequential number identifying this record within a transaction, starting at 00000001.
Creation class code	20	2	A	M	
Right code	22	2	A	M	

ISC: IPI Status code

Record Format

IPI Status code					
Field	Start	Size	Fmt	Req	Field Description
Record type	1	3	A	M	ISC (IPI Status code)
Transaction sequence no.	4	8	N	M	Unique sequential number identifying the transaction within a group in which this record is included.
Detail record sequence no.	12	8	N	M	Unique sequential number identifying this record within a transaction, starting at 00000001.
Status code	20	1	N	M	
Status code desc.	21	60	A	M	
Language code	81	2	A	M	Language code

NMT: Name type

Record Format

Name type					
Field	Start	Size	Fmt	Req	Field Description
Record type	1	3	A	M	NMT (Name type)
Transaction sequence no.	4	8	N	M	Unique sequential number identifying the transaction within a group in which this record is included.
Detail record sequence no.	12	8	N	M	Unique sequential number identifying this record within a transaction, starting at 00000001.
Name type	20	2	A	M	
Name type desc.	22	60	A	M	
Language code	62	2	A	M	Language code

RCC: Role of creation class

Record Format

Role of a creation class					
Field	Start	Size	Fmt	Req	Field Description
Record type	1	3	A	M	RCC (Role of a creation class)
Transaction sequence no.	4	8	N	M	Unique sequential number identifying the transaction within a group in which this record is included.
Detail record sequence no.	12	8	N	M	Unique sequential number identifying this record within a transaction, starting at 00000001.
Creation class code	20	2	A	M	
Role code	22	2	A	M	

RIG: Right

Record Format

Right Field	Start	Size	Fmt	Req	Field Description
Record type	1	3	A	M	RIG (Right)
Transaction sequence no.	4	8	N	M	Unique sequential number identifying the transaction within a group in which this record is included.
Detail record sequence no.	12	8	N	M	Unique sequential number identifying this record within a transaction, starting at 00000001.
Right code	20	2	A	M	
Right desc.	22	60	A	M	
Language code	82	2	A	M	Language code

RIS: Role of IPI Right of a society

Record Format

Role of IPI Right of a society					
Field	Start	Size	Fmt	Req	Field Description
Record type	1	3	A	M	RIS (Role of IPI Right of a society)
Transaction sequence no.	4	8	N	M	Unique sequential number identifying the transaction within a group in which this record is included.
Detail record sequence no.	12	8	N	M	Unique sequential number identifying this record within a transaction, starting at 00000001.
Society code	20	3	N	M	
Creation class code	23	2	A	M	
Role code	25	2	A	M	
Right code	27	2	A	M	

RIX: Role of IPI Right of a society extended

Record Format

Role of IPI Right of a society					
Field	Start	Size	Fmt	Req	Field Description
Record type	1	3	A	M	RIX (Role of IPI Right of a society extended)
Transaction sequence no.	4	8	N	M	Unique sequential number identifying the transaction within a group in which this record is included.
Detail record sequence no.	12	8	N	M	Unique sequential number identifying this record within a transaction, starting at 00000001.
Society code	20	3	N	M	
Creation class code	23	2	A	M	
Role code	25	2	A	M	
Right code	27	2	A	M	
Valid from	29	8	D	M	
Valid to	36	8	D	M	

ROL: Role

Record Format

Role Field	Start	Size	Fmt	Req	Field Description
Record type	1	3	A	M	ROL (Role)
Transaction sequence no.	4	8	N	M	Unique sequential number identifying the transaction within a group in which this record is included.
Detail record sequence no.	12	8	N	M	Unique sequential number identifying this record within a transaction, starting at 00000001.
Role code	20	2	A	M	
Role desc.	22	60	A	M	
Language code	82	2	A	M	Language code

SOC: Society

Record Format

Society					
Field	Start	Size	Fmt	Req	Field Description
Record type	1	3	A	M	SOC (Society)
Transaction sequence no.	4	8	N	M	Unique sequential number identifying the transaction within a group in which this record is included.
Detail record sequence no.	12	8	N	M	Unique sequential number identifying this record within a transaction, starting at 00000001.
Society code	20	3	N	M	
Society name	23	20	A	M	
Society country	53	20	A	M	

SOP: Society partnership

Record Format

Society partnership					
Field	Start	Size	Fmt	Req	Field Description
Record type	1	3	A	M	SOP (Society partnership)
Transaction sequence no.	4	8	N	M	Unique sequential number identifying the transaction within a group in which this record is included.
Detail record sequence no.	12	8	N	M	Unique sequential number identifying this record within a transaction, starting at 00000001.
Society code	20	3	N	M	
Partner society code	23	3	N	M	

CSC: Creation subclass of creation class

Record Format

Creation subclass of creation class					
Field	Start	Size	Fmt	Req	Field Description
Record type	1	3	A	M	CSC (Creation subclass of creation class)
Transaction sequence no.	4	8	N	M	Unique sequential number identifying the transaction within a group in which this record is included.
Detail record sequence no.	12	8	N	M	Unique sequential number identifying this record within a transaction, starting at 00000001.
Creation class code	20	2	A	M	
Creation subclass code	22	2	A	M	

TNR: Territory by TISN

Record Format

Territory TISN					
Field	Start	Size	Fmt	Req	Field Description
Record type	1	3	A	M	TNR (IP Territory by TISN)
Transaction sequence no.	4	8	N	M	Unique sequential number identifying the transaction within a group in which this record is included.
Detail record sequence no.	12	8	N	M	Unique sequential number identifying this record within a transaction, starting at 00000001.
TISN	20	4	N	M	It is the TIS-N code of TIS.
TISN valid from	24	8	D	M	It is the valid from date of the territory referred by TIS-N code.
TISN valid to	32	8	D	M	It is the valid to date of the territory referred by TIS-N code.
TISAN	40	20	A	M	It is the abbreviated name from TIS.
TISAN valid from	60	8	D	M	It is the valid from date of the abbreviated name referred by TIS abbreviated name.
TISAN valid to	68	8	D	M	It is the valid to date of the abbreviated name referred by TIS abbreviated name.
TISA	76	6	A	M	Alphanumeric TIS code
Language code	82	2	A	M	ISO Language code

TNA: Territory by TISAN

Record Format

Territory TISAN					
Field	Start	Size	Fmt	Req	Field Description
Record type	1	3	A	M	TNA (IP Territory by TISAN)
Transaction sequence no.	4	8	N	M	Unique sequential number identifying the transaction within a group in which this record is included.
Detail record sequence no.	12	8	N	M	Unique sequential number identifying this record within a transaction, starting at 00000001.
TISN	20	4	N	M	It is the TIS-N code of TIS.
TISN valid from	24	8	D	M	It is the valid from date of the territory referred by TIS-N code.
TISN valid to	32	8	D	M	It is the valid to date of the territory referred by TIS-N code.
TISAN	40	20	A	M	It is the abbreviated name from TIS.
TISAN valid from	60	8	D	M	It is the valid from date of the abbreviated name referred by TIS abbreviated name.
TISAN valid to	68	8	D	M	It is the valid to date of the abbreviated name referred by TIS abbreviated name.
TISA	76	6	A	M	Alphanumeric TIS code
Language code	82	2	A	M	ISO Language code

HNR: Territory Hierarchy by TISN

Record Format

Territory Hierarchy TISN					
Field	Start	Size	Fmt	Req	Field Description
Record type	1	3	A	M	HNR (IP Territory Hierarchy by TISN)
Transaction sequence no.	4	8	N	M	Unique sequential number identifying the transaction within a group in which this record is included.
Detail record sequence no.	12	8	N	M	Unique sequential number identifying this record within a transaction, starting at 00000001.
TISN parent	20	4	N	M	It is the TIS-N code of TIS, for the parent territory.
TISN valid from parent	24	8	D	M	It is the valid from date of the territory referred by TISN parent.
TISN valid to parent	32	8	D	M	It is the valid to date of the territory referred by TISN parent.
TISAN parent	40	20	A	M	It is the TISAN code of TIS, for the parent territory.
TISAN valid from parent	60	8	D	M	It is the valid from date of the territory referred by TISAN parent.
TISAN valid to parent	68	8	D	M	It is the valid to date of the territory referred by TISAN parent.
TISA parent	76	6	A	M	Alphanumeric TIS code of the parent territory group
TISN child	82	4	N	M	It is the TIS-N code of TIS, for the child territory.
TISN valid from child	86	8	D	M	It is the valid from date of the territory referred by TISN child.
TISN valid to child	94	8	D	M	It is the valid to date of the territory referred by TISN child.
TISAN child	102	20	A	M	It is the TISAN code of TIS, for the child territory.
TISAN valid from child	122	8	D	M	It is the valid from date of the territory referred by TISAN child.
TISAN valid to child	130	8	D	M	It is the valid to date of the territory referred by TISAN child.
TISA child	138	6	A	M	Alphanumeric TIS code of the child territory.
Hierarchy valid from	144	8	D	M	It is the valid from date of the hierarchy
Hierarchy valid to	152	8	D	M	It is the valid to date of the hierarchy
Language code	160	2	A	M	ISO Language code

HNA: Territory Hierarchy by TISAN

Record Format

Territory Hierarchy TISAN					
Field	Start	Size	Fmt	Req	Field Description
Record type	1	3	A	M	HNA (IP Territory Hierarchy by TISAN)
Transaction sequence no.	4	8	N	M	Unique sequential number identifying the transaction within a group in which this record is included.
Detail record sequence no.	12	8	N	M	Unique sequential number identifying this record within a transaction, starting at 00000001.
TISN parent	20	4	N	M	It is the TIS-N code of TIS, for the parent territory .
TISN valid from parent	24	8	D	M	It is the valid from date of the territory referred by TISN parent.
TISN valid to parent	32	8	D	M	It is the valid to date of the territory referred by TISN parent.
TISAN parent	40	20	A	M	It is the TISAN code of TIS, for the parent territory group.
TISAN valid from parent	60	8	D	M	It is the valid from date of the territory referred by TISAN parent.
TISAN valid to parent	68	8	D	M	It is the valid to date of the territory referred by TISAN parent.
TISA parent	76	6	A	M	Alphanumeric TIS code of the parent territory
TISN child	82	4	N	M	It is the TIS-N code of TIS, for the child territory.
TISN valid from child	86	8	D	M	It is the valid from date of the territory referred by TISN child.
TISN valid to child	94	8	D	M	It is the valid to date of the territory referred by TISN child.
TISAN child	102	20	A	M	It is the TISAN code of TIS, for the child territory.
TISAN valid from child	122	8	D	M	It is the valid from date of the territory referred by TISAN child.
TISAN valid to child	130	8	D	M	It is the valid to date of the territory referred by TISAN child.
TISA child	138	6	A	M	Alphanumeric TIS code of the child territory.
Hierarchy valid from	144	8	D	M	It is the valid from date of the hierarchy
Hierarchy valid to	152	8	D	M	It is the valid to date of the hierarchy
Language code	160	2	A	M	ISO Language code

TRS: Transaction status

This is the first detail of within a transaction in downloaded files, for transaction submitters only.

Record Format

Transaction status					
Field	Start	Size	Fmt	Req	Field Description
Record type	1	3	A	M	TRS (Transaction status)
Transaction sequence no.	4	8	N	M	Unique sequential number identifying the transaction within a group in which this record is included.
Detail record sequence no.	12	8	N	M	Unique sequential number identifying this record within a transaction, starting at 00000001.
Status code	20	4	A	M	Status code generated by the IPI system for each transaction.
Status message	24	100	A	M	Response message associated to the status code, including corrective actions if needed.
Name of transaction submitter	124	8	A	M	Online user name, or the user name found on the transmission header record (HDR) of the uploaded file.
Creation date ref.	132	8	D	C	Creation date found on the transmission header record (HDR) of the uploaded file.
Creation time ref.	140	6	T	C	Creation time found on the transmission header record (HDR) of the uploaded file.
File name ref.	146	12	A	C	File name of the uploaded file (IPISSNN.080).
Group ID ref.	158	5	N	C	Group sequence number of the transaction group in the uploaded file.
Transaction sequence no. ref.	163	8	N	C	Transaction sequence number of the transaction in the uploaded file.

Usage examples of TRS detail records are included in IPI EDI examples document: all examples.

DRS: Detail record status

This detail record is identifying the detail record in error within a transaction.
They are physically placed after TRS records.

Record Format

Transaction status					
Field	Start	Size	Fmt	Req	Field Description
Record type	1	3	A	M	DRS (Detail record status)
Transaction sequence no.	4	8	N	M	Unique sequential number identifying the transaction within a group in which this record is included.
Detail record sequence no.	12	8	N	M	Unique sequential number identifying this record within a transaction, starting at 00000001.
Status code	20	4	N	M	Status code generated by the IPI system for each transaction.
Status message	24	100	A	M	Response message associated to the status code, including corrective actions if needed.
Name of transaction submitter	124	8	A	M	Online user name, or the user name found on the transmission header record (HDR) of the uploaded file.
Creation date ref.	132	8	D	M	Creation date found on the transmission header record (HDR) of the uploaded file.
Creation time ref.	140	6	T	M	Creation time found on the transmission header record (HDR) of the uploaded file.
File name ref.	146	12	A	M	File name of the uploaded file (IPISSNN.080).
Group ID ref.	158	5	N	M	Group sequence number of the transaction group in the uploaded file.
Transaction sequence no. Ref.	163	8	N	M	Transaction sequence number of the transaction in the uploaded file.
Detail record sequence no. Ref.	171	8	N	M	Detail record sequence number of the detail record in the uploaded file if needed, or 00000000.

LOG: UploadLogDetail record status

This record is used currently in the unofficial (non CISAC compliant) IPI upload LOG files, and are used as a substitute for the DRS record. For each uploaded file from a society, the IPI system produces a LOG file and a DUP file (in case duplicate names were identified in IPA transactions).

In upload LOG files, failed transactions are indicated with 3 records, in the following order:

- 1) original detail or header record in the input field (with original sequence numbers)
- 2) a LOG record corresponding to the error in the original record
- 3) a TRS record indicating that the transaction failed.

In upload LOG files, successful transactions are indicated with the following records:

- 1) the transaction header
- 2) the TRS record indicating that the transaction was successfully processed.

Record Format

<u>Transaction status</u>					
<u>Field</u>	<u>Start</u>	<u>Size</u>	<u>Fmt</u>	<u>Req</u>	<u>Field Description</u>
<u>Record type</u>	<u>1</u>	<u>3</u>	<u>A</u>	<u>M</u>	<u>Original (Errored) Record Type</u>
<u>Padding</u>	<u>4</u>	<u>4</u>	<u>N</u>	<u>M</u>	<u>Constant, "ULOG". Original LOG files used a variety of constants like DUP2, DUP6 in this field which had no meaning.</u>
<u>Transaction sequence no.</u>	<u>8</u>	<u>8</u>	<u>A</u>	<u>M</u>	<u>Unique sequential number identifying the transaction within a group in which this record is included.</u>
<u>Detail record sequence no.</u>	<u>16</u>	<u>8</u>	<u>N</u>	<u>M</u>	<u>The original Detail record sequence no. Ref. + 3.</u>
<u>Status code</u>	<u>24</u>	<u>4</u>	<u>N</u>	<u>M</u>	<u>Status code generated by the IPI system for each transaction.</u>
<u>Status message</u>	<u>28</u>	<u>100</u>	<u>A</u>	<u>M</u>	<u>Record type + ": " + Response message associated to the status code, including corrective actions if needed.</u>
<u>Name of transaction submitter</u>	<u>128</u>	<u>8</u>	<u>A</u>	<u>M</u>	<u>Online user name, or the user name found on the transmission header record (HDR) of the uploaded file.</u>
<u>Creation date ref.</u>	<u>136</u>	<u>8</u>	<u>D</u>	<u>M</u>	<u>Creation date found on the transmission header record (HDR) of the uploaded file.</u>
<u>Creation time ref.</u>	<u>144</u>	<u>6</u>	<u>T</u>	<u>M</u>	<u>Creation time found on the transmission header record (HDR) of the uploaded file.</u>
<u>File name ref.</u>	<u>150</u>	<u>12</u>	<u>A</u>	<u>M</u>	<u>File name of the uploaded file (PISSSNN.080).</u>
<u>Group ID ref.</u>	<u>162</u>	<u>5</u>	<u>N</u>	<u>M</u>	<u>Group sequence number of the transaction group in the uploaded file.</u>
<u>Transaction sequence no. Ref.</u>	<u>167</u>	<u>8</u>	<u>N</u>	<u>M</u>	<u>Transaction sequence number of the transaction in the uploaded file.</u>
<u>Detail record sequence no. Ref.</u>	<u>175</u>	<u>8</u>	<u>N</u>	<u>M</u>	<u>Detail record sequence number of the detail record in the uploaded file if needed, or 00000000.</u>

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