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| Standard Business Reporting  Australian Taxation Office  TFN Declaration (TFND.0005) 2019 Package v1.0 Contents  Date: 18th April 2019 | | | |
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| attention_pms This document and its attachments are **Unclassified** | direction_pms **For further information or questions, contact the SBR Service Desk at** [SBRServiceDesk@sbr.gov.au](mailto:SBRServiceDesk@sbr.gov.au) **or call 1300 488 231. International callers may use +61-2-6216 5577** | | |
|  |

VERSION CONTROL

| **Version** | **Release date** | **Description of changes** |
| --- | --- | --- |
| 1.0 | 18.04.2019 | Final release of TFND.0005 2019 service for 18th April 2019 EVTE release.  **Note: *‘Updated’ :*** *The artefact has changed since the last public release for this package. It could occur as a result of refining service/messages due to feedback or defects.*  **Section 2 Package contents**  The following artefacts were versioned to ‘Final’ **with no functional changes**.  **Updated:**   * **ATO TFND.0005 2019 Message Structure Table.xlsx** * **ATO TFND.0005 2019 Submit Validation Rules.xlsx** * **ATO TFND.0005 2019 Submit Contracts.zip**   The following artefact was versioned to ‘Final’ **with functional changes**.  **Updated:**   * **ATO TFND.0005 2019 Rule Implementation.zip**   **Section 3.1 Technical Changes**  The technical implementation of the following rules was updated   * VR.ATO.TFND.000177 * VR.ATO.TFND.000195 * VR.ATO.TFND.000270 |

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1. **Introduction**
   1. Document Purpose

The purpose of this document is to advise software developers of the package contents for Standard Business Reporting (SBR) Tax File Number Declaration (TFND) 2019 provided by the Australian Taxation Office (ATO).

* 1. Audience

The audience for this Package Content note is software developers who have or are interested in developing the TFND.0005 2019 service on the SBR ebMS3 Services platform in the XML format. TFND.0005 2019 service will only be available on the SBR ebMS3 platform.

* 1. Purpose of this package

The purpose of this release is to streamline the way message artefacts are presented to software developers

All relevant message artefacts that comprise the TFND.0005 2019 service are contained within one zip file. The package will be versioned up each time artefacts are added or updated.

* 1. Summary of artefacts the ATO packages
     1. In general

The following artefacts may be released under this package title for the TFND.0005 2019 service:

* Message Repository
* Message Structure Tables (MSTs)
* Validation Rules (VRs)
* Contract schemas and samples
* Rule Implementation zip file (C#)

***Note:***

The first PCN released outlines the expected artefacts to be within the package at an end state – as known at that point in time.

As a general rule, this service will have at minimum an MST and a VR.

* + 1. XML Schema Generation Algorithm

This package contains a version of the TFND service (TFND.0005 2019) that uses the new XML generation algorithm.

This algorithm reduces the length and simplifies the element names. The intent of this change is to reduce the size of the XML messages. To support this, contextualisation has been removed in the message structures tables and tuples have been used instead to represent complex types.

To obtain an understanding of the changes to the schema, in particular the classword shortening approach, refer to the ATO XML Schema Generation Algorithm document that is available on [ATO page](http://www.sbr.gov.au/software-developers/developer-tools/ato) in sbr.gov.au.

* + 1. Services

The following table shows the services that form the TFND product suite and their relationship to previous service versions:

| **Description** | **Service** | **Change** | **Product** | **Comments** |
| --- | --- | --- | --- | --- |
| TFN Declaration 2019 | tfnd.0005.2019 | Present | TFND | TFN Declaration 2019 includes below updates   * Code rollover for new FY * Updates to Message Structure * Updates to Submit Validation Rules |

* + 1. Interactions

The following table lists the interactions for the TFND.0005 2019 service.

| **Description** | **Interaction** | **Change** | **Product** | **Comments** |
| --- | --- | --- | --- | --- |
| TFN Declaration 2019 - Submit | tfnd.0005.2019.submit | Present | TFND |  |

Detailed information on TFND service can be found in the Service Registry, along with associated messages.

* + 1. Package artefact status description

The table in *Section 2 Package Contents* reflects the status of artefacts in the *Package Status* column and needs to be read in conjunction with the *Comments* column in order to understand the scale of change that may be applicable.

The table below describes the terminology used in the *Package Status* column and the business description of the package status:

| **Package Status** | **Business Description** |
| --- | --- |
| **Pending** | The artefact is currently under development and is expected to be released in a future package. |
| **New** | The artefact is new for the package and has not been published previously. This would usually occur when an artefact has previously been marked as Pending (under development) or a new Government/ATO initiative sees the development of new services/messages to be deployed. |
| **Updated** | The artefact has changed since the last public release for this package. It could occur as a result of refining service/messages due to feedback or defects. |
| **Present** | The artefact is within the package and has had no change from the prior package for this year or a previous/forward year where artefacts cross multiple years. |
| **Removed** | The artefact was within the package in a prior release but has been removed as it is not relevant for the service/suite in question. This could occur due to Government legislation waiting on Royal Assent not being passed or other factors. |

1. **Package contents**

The table below outlines the package contents.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Document Date | Document Status | Version | Comments | Package Status |
| ATO TFND.0005 2019 Message Structure Table.xlsx | 18.04.2019 | Final | 1.0 | Versioned to final with no functional changes.  There is a document only update made to align the country code values to the schema. | Updated |
| ATO TFND.0005 2019 Submit Validation Rules.xlsx | 18.04.2019 | Final | 1.0 | Versioned to final with no functional changes.  There is a document only update made to align the country code values to the schema. | Updated |
| ATO TFND.0005 2019 Submit Contracts.zip | 18.04.2019 | Final | 1.0 | Versioned to final with no functional changes. | Updated |
| ATO TFND.0005 2019 Rule Implementation.zip | 18.04.2019 | Final | 1.0 | Versioned to final with following functional changes:  Code updated to fix an issue with regards to the implementation of regular expression - IsValidEmail. Below rules affected:   * VR.ATO.TFND.000177 * VR.ATO.TFND.000195 * VR.ATO.TFND.000270   (Details included in Section 3.1 below) | Updated |

|  |  |
| --- | --- |
| **Total artefacts in this Package:** | **04** |
| Present artefacts | 00 |
| New artefacts | 00 |
| Updated artefacts | 04 |
| Pending artefacts | 00 |
| Removed artefacts | 00 |

1. **C# changes**

## Technical changes

The table below outlines the changes made in the C# files where the code has been updated, and the design artefact have remained the same. Where both the code and design has changed this will be reflected in the individual design artefact (validation rules) maintained in the package, and will not be called out in the table below.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Service Action | Rule ID | Change | Previous Rule | Previous Message ID | New Rule | New Message ID |
| TFN Declaration 2019 – Submit | VR.ATO.TFND.000177 | The rule validates Supplier contact e-mail address and uses the regular expression : IsValidEmail in the code. A bug in the code was not allowing apostrophe in the email address. The bug has now been fixed. Reference : TFS 1340923 | Email regular expression used in previous version of code :  *"^([a-zA-Z0-9\_\-\.]+)@((\[[0-9]{1,3}\.[0-9]{1,3}\.[0-9]{1,3}\.)|(([a-zA-Z0-9\-]+\.)+))([a-zA-Z]{2,4}|[0-9]{1,3})(\]?)$"* | No change in Message ID | Email regular expression used in current version of code :  *@"^\S.\*@.+\.\S+$"* | No change in Message ID |
| TFN Declaration 2019 – Submit | VR.ATO.TFND.000195 | The rule validates Payer contact e-mail address and uses the regular expression : IsValidEmail in the code. A bug in the code was not allowing apostrophe in the email address. The bug has now been fixed. Reference : TFS 1340923 | Email regular expression used in previous version of code :  *"^([a-zA-Z0-9\_\-\.]+)@((\[[0-9]{1,3}\.[0-9]{1,3}\.[0-9]{1,3}\.)|(([a-zA-Z0-9\-]+\.)+))([a-zA-Z]{2,4}|[0-9]{1,3})(\]?)$"* | No change in Message ID | Email regular expression used in current version of code :  *@"^\S.\*@.+\.\S+$"* | No change in Message ID |
| TFN Declaration 2019 – Submit | VR.ATO.TFND.000270 | The rule validates Payee Primary e-mail address and uses the regular expression : IsValidEmail in the code. A bug in the code was not allowing apostrophe in the email address. The bug has now been fixed. Reference : TFS 1340923 | Email regular expression used in previous version of code :  *"^([a-zA-Z0-9\_\-\.]+)@((\[[0-9]{1,3}\.[0-9]{1,3}\.[0-9]{1,3}\.)|(([a-zA-Z0-9\-]+\.)+))([a-zA-Z]{2,4}|[0-9]{1,3})(\]?)$"* | No change in Message ID | Email regular expression used in current version of code :  *@"^\S.\*@.+\.\S+$"* | No change in Message ID |

## Event message changes

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Service Action | Rule ID | Change | Previous Event Message | Previous Message ID | New Event Message | New Message ID |
|  | None |  |  |  |  |  |
|  |  |  |  |  |  |  |

1. **Known issues and future scope**

The following is a list of issues and/or future work to be implemented for TFN Declaration 2019. There may be impacts to successful development until the issues are resolved or the future scope has been implemented (as an example where a service is deployed over multiple iterations and won’t be complete for some time).

## Issues and incidents

| **Issue**  **#** | **Issue Description** | **Impacted**  **Interactions** | **Reference Number** | **Resolution** | **Proposed**  **EVTE Date** | **Proposed**  **PROD Date** | **Issue Status (Open/**  **Closed/**  **Deferred)** |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | None |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |

## Future scope

| **Change**  **#** | **Change Description** | **Impacted**  **Interactions** | **Proposed**  **EVTE Date** | **Proposed**  **PROD Date** | **Change Status (Open/**  **Closed)** |
| --- | --- | --- | --- | --- | --- |
|  | None |  |  |  |  |
|  |  |  |  |  |  |

Appendix A – Prior Version History

|  |  |  |
| --- | --- | --- |
| **Version** | **Release date** | **Description of changes** |
| 0.2 | 07.03.2019 | Draft release of TFND.0005 2019 service for 7th March EVTE release.  **Note:*****‘Updated’:*** *The artefact has changed since the last public release for this package. It could occur as a result of refining service/messages due to feedback or defects.*  **Section 2 Package contents**  **Updated:**   * **ATO TFND.0005 2019 Message Structure Table.xlsx** |
| 0.1 | 20.12.2018 | Initial draft release of TFND.0005 2019 service.  **Note:** *‘****New****’ artefacts are draft for consultation and describe (at a high level) changes for this iteration only from a prior year.*  **Section 2 Package contents**  **New:**   * **ATO TFND.0005 2019 Message Structure Table.xlsx** * **ATO TFND.0005 2019 Submit Validation Rules.xlsx** * **ATO TFND.0005 2019 Submit Contracts.zip** * **ATO TFND.0005 2019 Rule Implementation.zip** |