

eBlueprint – Compliance with ENTSOG AS4 Communication Profile

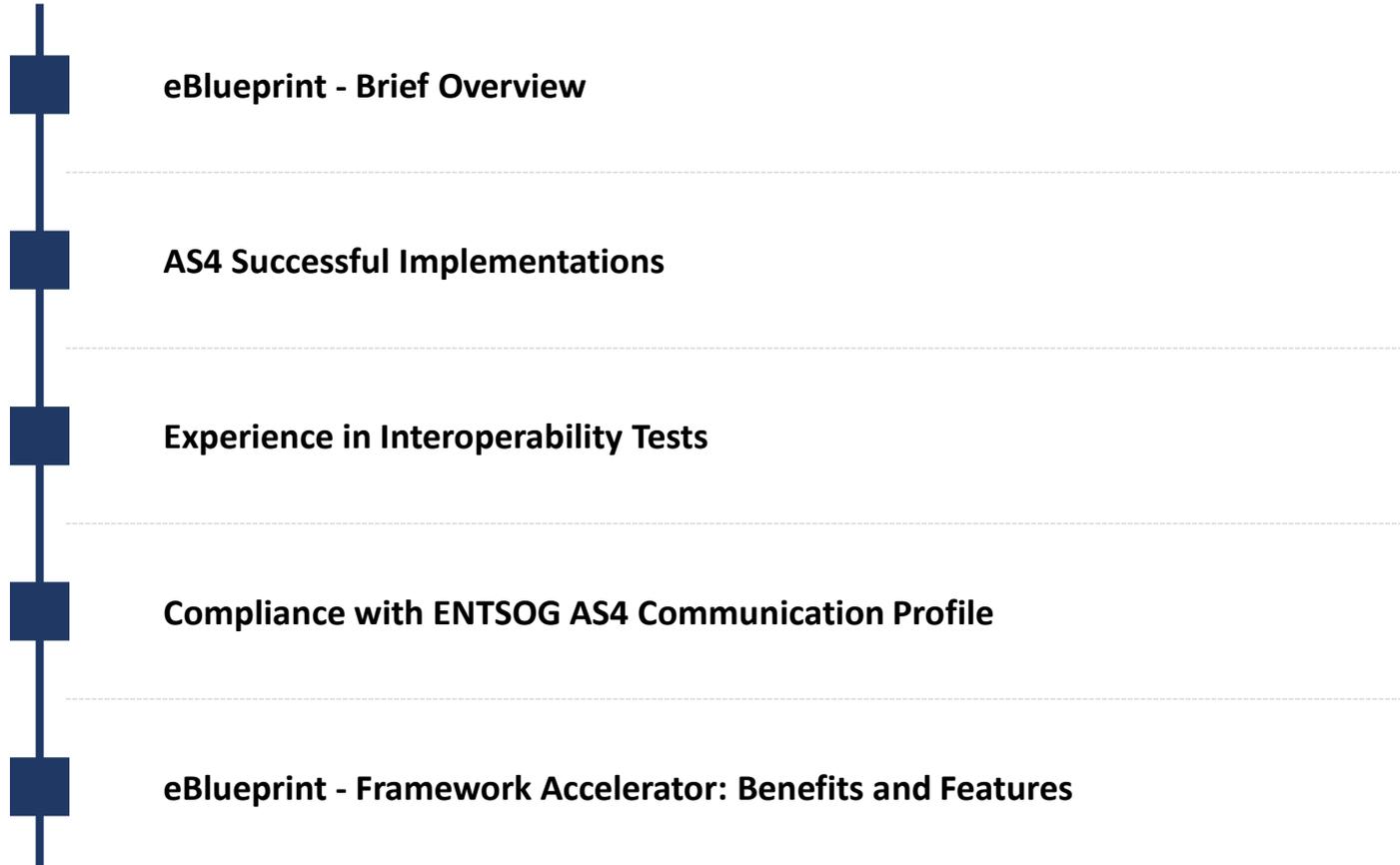
Richard Lynders

eBlueprint Managing Director

October 2015



Agenda



eBlueprint - Overview

eBlueprint has over 10 years of worldwide experience in developing and delivering IT and business consulting services underpinned by industry leading IBM technologies



Who is eBlueprint?

eBlueprint offers a wide range of IT solutions that aim to enable our customers to work more productively and ensure their business runs efficiently. From service oriented architecture and platform implementation to application management and pragmatic training services, our aim across the floor is to help our customers maximize the value of their technology investments.



Experience

Experience in Complex Implementations:

- ✓ eBlueprint is one of the unique companies in the world with IBM Sterling B2B Integrator, IBM B2B Advanced Communications and AS4 expertise

Business across Multi-Geographies:

- ✓ ANZ-based Company
- ✓ With Global Presence
- ✓ Focus Areas: APAC, Europe and Americas

Markets



Team

Team of expert consultants:

- ✓ Certified in an extensive list of certifications
- ✓ Backed by many years of experience between SME's to large government agencies.

Multi-industry and solution experience:

- ✓ Main Focus: Government, Financial Institutions, Retail and Healthcare
- ✓ Extensive portfolio covering our customers end-to-end IT business needs

Clients

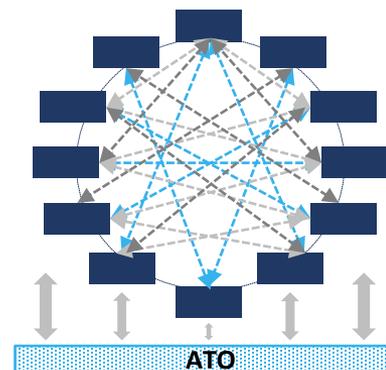


eBlueprint - Multi-Industry Experience with AS4

eBlueprint has a proven track record of successful AS4 Implementations among different markets and contexts and is able to provide a solution compliant with the ENTSOG Requirements



Australian Government
Australian Taxation Office



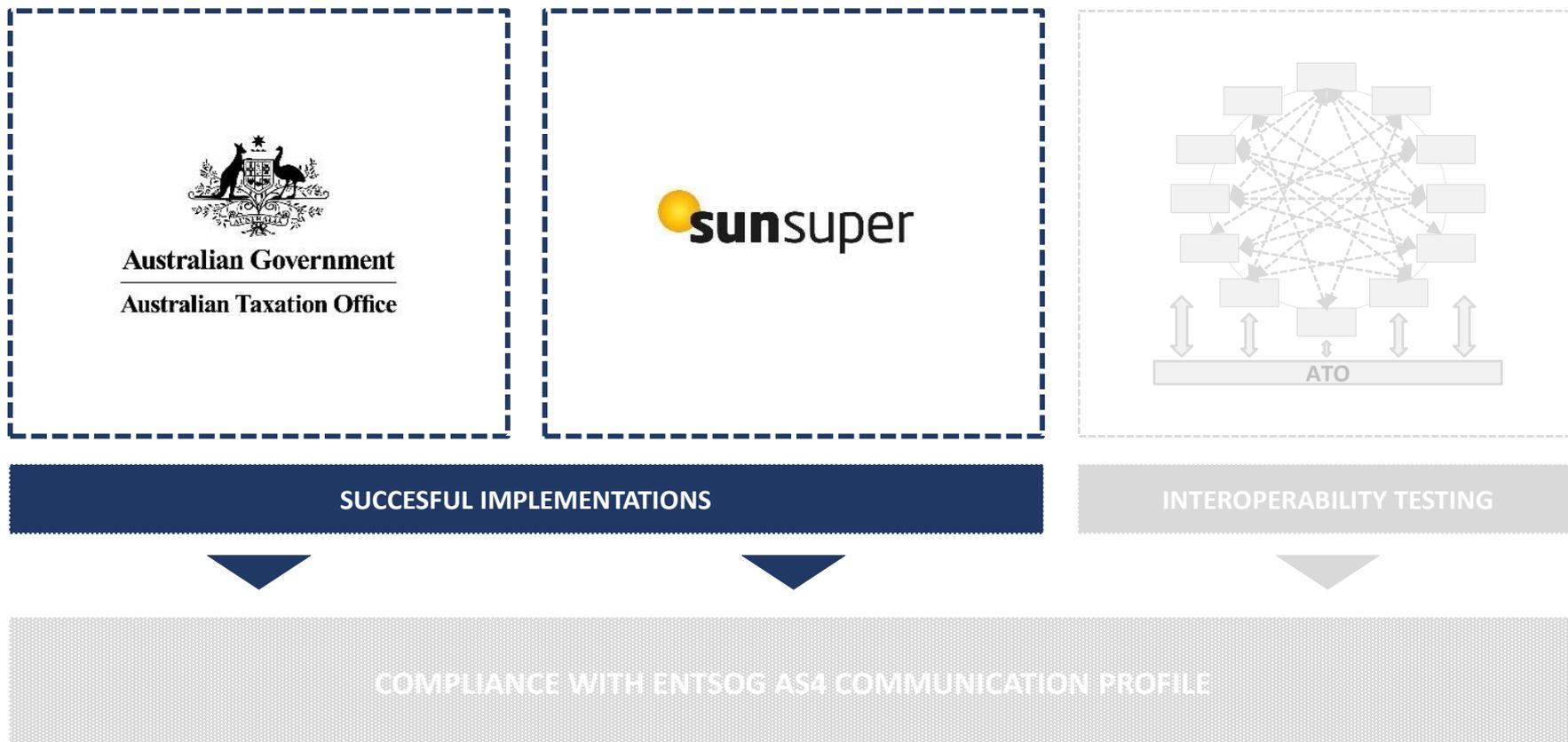
SUCCESSFUL IMPLEMENTATIONS

INTEROPERABILITY TESTING

COMPLIANCE WITH ENTSOG AS4 COMMUNICATION PROFILE

eBlueprint - Multi-Industry Experience with AS4

eBlueprint has a proven track record of successful AS4 Implementations among different markets and contexts and is able to provide a solution compliant with the ENTSOG Requirements



eBlueprint - AS4 Successful Implementations

Case Study: Australian Taxation Office

REGULATOR
PERSPECTIVE

OPERATOR
PERSPECTIVE



Australian Government
Australian Taxation Office

CHALLENGES

SOLUTION

TIMELINE

RESULTS

Client Profile: The Australian Taxation Office

- Australian Government's **principal revenue collection agency**
- One of the **largest Public Service employers in Australia**
- Responsible for delivery of various social and economic benefit and incentive programs
- **Administer major aspects of Australia's superannuation system**
- Custodian of the Australian Business Register

eBlueprint - AS4 Successful Implementations

Case Study: Australian Taxation Office

REGULATOR
PERSPECTIVE

OPERATOR
PERSPECTIVE



Australian Government
Australian Taxation Office

CHALLENGES

SOLUTION

TIMELINE

RESULTS

The SuperStream Reform

- As part of the SuperStream Reform, **the Australian Taxation Office was tasked with providing services using recent standards like AS4 and XBRL**
- With no commercial product in the marketplace implementing the full ebHandler AS4 profile and ebMS3 extensions, the agency required a B2B/B2G solution to handle both AS4 and XBRL.
- This solution needed to **transport a high volume of messages**, with some messages being over 50Gb in size.
- The solution also needed to **interface with the ATO's many touch points** for internal and external suppliers, using protocols like SOAP web services, MQ, FTP and Connect:Direct.

eBlueprint - AS4 Successful Implementations

Case Study: Australian Taxation Office

REGULATOR
PERSPECTIVE

OPERATOR
PERSPECTIVE



Australian Government
Australian Taxation Office

CHALLENGES

SOLUTION

TIMELINE

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Solution Overview

- Provide a platform to provide a **Whole of Government gateway for business reporting**
- Support transition of legacy channels to **new standards for transport (AS4) and messaging (XBRL)**
- Support Superstream reforms in the superannuation industry
- Developed as a collaborative project between **ATO, IBM and eBlueprint.**

eBlueprint - AS4 Successful Implementations

Case Study: Australian Taxation Office

REGULATOR
PERSPECTIVE

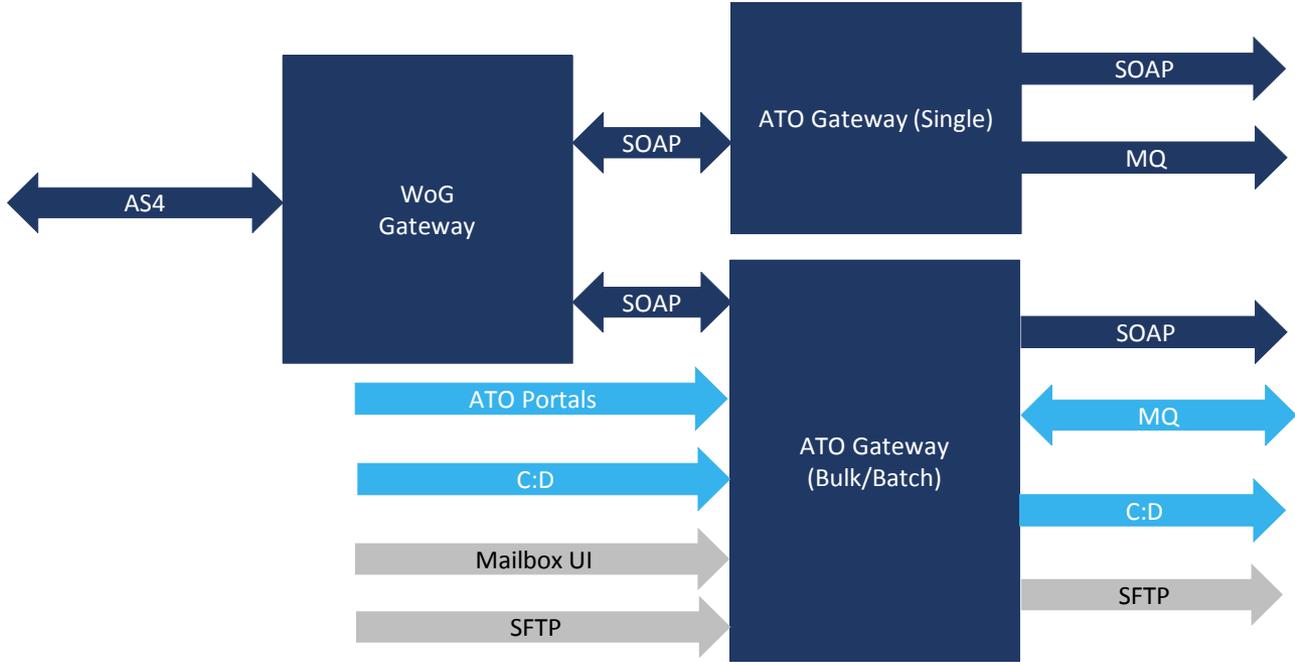
OPERATOR
PERSPECTIVE



Australian Government
Australian Taxation Office

- CHALLENGES
- SOLUTION**
- TIMELINE
- RESULTS

Conceptual Architecture



eBlueprint - AS4 Successful Implementations

Case Study: Australian Taxation Office

REGULATOR
PERSPECTIVE

OPERATOR
PERSPECTIVE



Australian Government
Australian Taxation Office

CHALLENGES

SOLUTION

TIMELINE

RESULTS

Key Features

- Before this implementation, the ATO was using a business processing framework built on **IBM Sterling B2B Integrator** – BDE Framework – that allowed rapid on-boarding of new reporting parties and forms.
- Through this implementation, the BDE Framework was enhanced to support integration with **IBM B2B Advanced Communications**, taking advantage of its advanced high availability options and AS4 support as well as providing additional capabilities:
 - **Support AS4**, enabling external business software to interact with ATO services while meeting the ATO's strict requirements for data security and integrity
 - **Support XBRL and other ATO formats for receiving and sending business data**
 - **Integrate with ATO systems using Web Services**
 - Among others.

eBlueprint - AS4 Successful Implementations

Case Study: Australian Taxation Office

REGULATOR
PERSPECTIVE

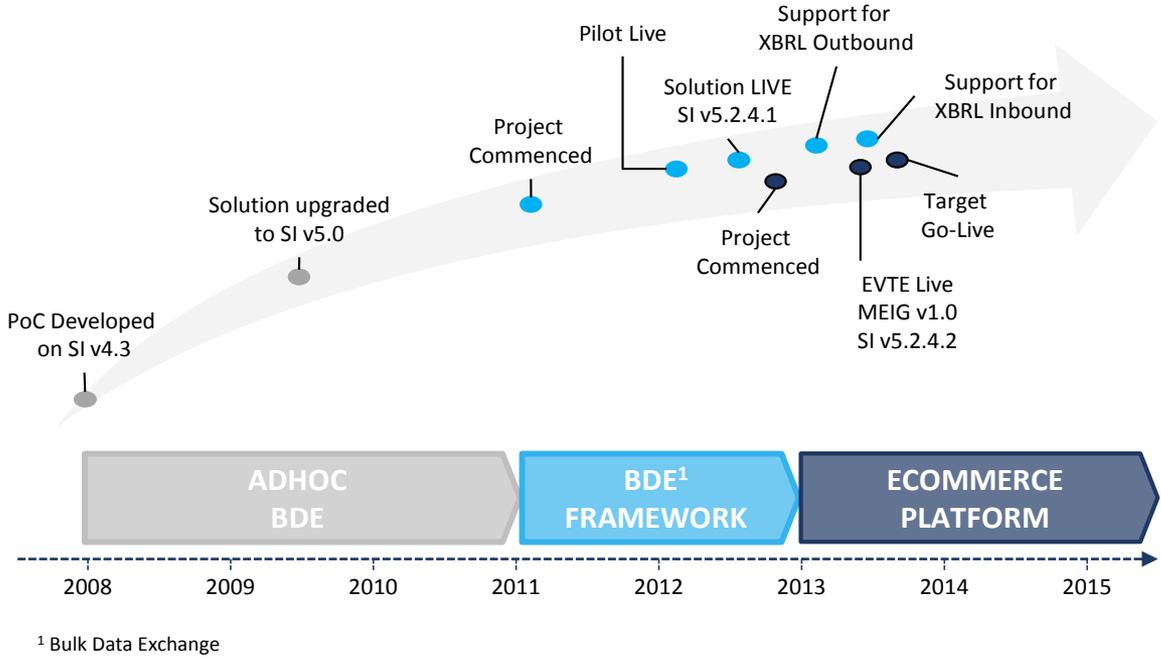
OPERATOR
PERSPECTIVE



Australian Government
Australian Taxation Office



Three-phase Project



eBlueprint - AS4 Successful Implementations

Case Study: Australian Taxation Office

REGULATOR
PERSPECTIVE

OPERATOR
PERSPECTIVE



Australian Government

Australian Taxation Office

CHALLENGES

SOLUTION

TIMELINE

RESULTS

Achievements

- A **first-of-its-kind Gateway solution**, forming the core of a Whole of Government approach to exchanging business information
- A **solution that meets the demanding security, performance and data integrity requirements** of the ATO
- Simplified business reporting for ATO customers, making it **easier for businesses to meet their reporting obligations to the ATO**
- A **stable and extensible platform** for the ATO to provision new services to the industry

eBlueprint - AS4 Successful Implementations

Case Study: Sunsuper

REGULATOR
PERSPECTIVE

OPERATOR
PERSPECTIVE



CHALLENGES

SOLUTION

TIMELINE

RESULTS

Client Profile: Sunsuper

- Established in 1987
- One of **Australia's largest, fastest growing and highly-rated superannuation business**
- Manages **\$33 billion in funds for over 1 million members**
- Industry leading innovator in delivering member services.

eBlueprint - AS4 Successful Implementations

Case Study: Sunsuper

REGULATOR
PERSPECTIVE

OPERATOR
PERSPECTIVE



CHALLENGES

SOLUTION

TIMELINE

RESULTS

SuperStream Requirements

- Adapting and enabling employers to make Superannuation contributions to funds, on behalf of employees, by means of a specific electronic messaging standard defined by the ATO – SuperStream Requirements
- Part of these requirements included **building a platform compliant with the AS4 protocol** to facilitate the exchange of the electronic messages between all related parties – Employers, Clearing Houses, Payroll Providers and other Funds.

eBlueprint - AS4 Successful Implementations

Case Study: Sunsuper

REGULATOR
PERSPECTIVE

OPERATOR
PERSPECTIVE



CHALLENGES

SOLUTION

TIMELINE

RESULTS

B2B Gateway – AS4 compliant

- To meet the new legislative requirements, Sunsuper decided to implement its own Gateway and engaged eBlueprint along with IBM to assist with this implementation.
- The main objectives of this project were:
 - i. Providing a **B2B Gateway that would support current and future requirements**, allowing Sunsuper to **always be up to date with ATO's timelines**;
 - ii. Providing future abilities of integration and **exchange of information with third parties**;
 - iii. Enabling Sunsuper to **reduce costs by avoiding the need to pay for a gateway service provided by a third party**.
 - iv. Providing the employees with the capacity to support and configure the B2B gateway.

eBlueprint - AS4 Successful Implementations

Case Study: Sunsuper

REGULATOR
PERSPECTIVE

OPERATOR
PERSPECTIVE



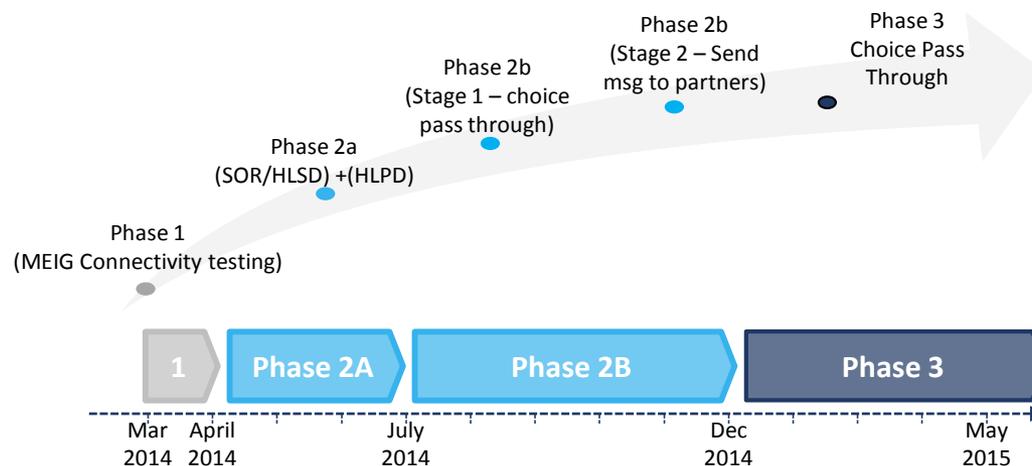
CHALLENGES

SOLUTION

TIMELINE

RESULTS

Three-phase Project



- **Phase 1:** Setup of an AS4 gateway that was conformant to the Superannuation industry standards;
- **Phase 2:** Development of processing capabilities to handle receipts of New Member Registrations and Superannuation Contribution messages from different parties and responses back;
- **Phase 3:** Development of processing capabilities to handle electronic outcomes; integration with external gateways to enable automated consumption of information provided by third parties and choice pass through - routing messages from one employer to another.

eBlueprint - AS4 Successful Implementations

Case Study: Sunsuper

REGULATOR
PERSPECTIVE

OPERATOR
PERSPECTIVE

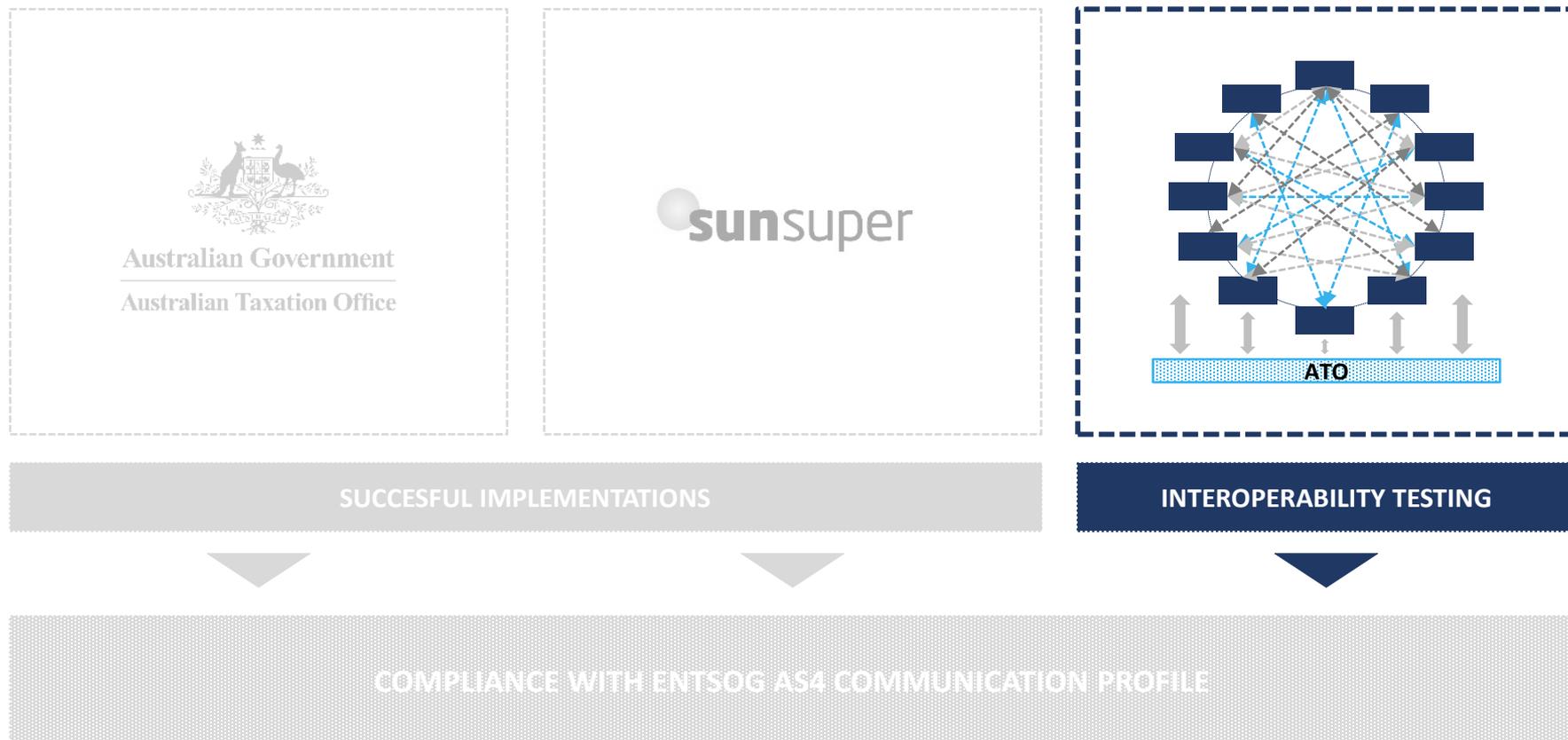


Achievements

- The B2B Gateway implemented by eBlueprint allowed Sunsuper to:
 - Become AS4 Compliant
 - Keep up to date with ATO Requirements
 - Have a 24/7 automatic system, always available and online
 - Increase Flexibility, Security and Autonomy
 - Reduce costs
 - Improve service
 - Increase Stakeholders Loyalty
 - Create New Business Opportunities and Sources of Revenue

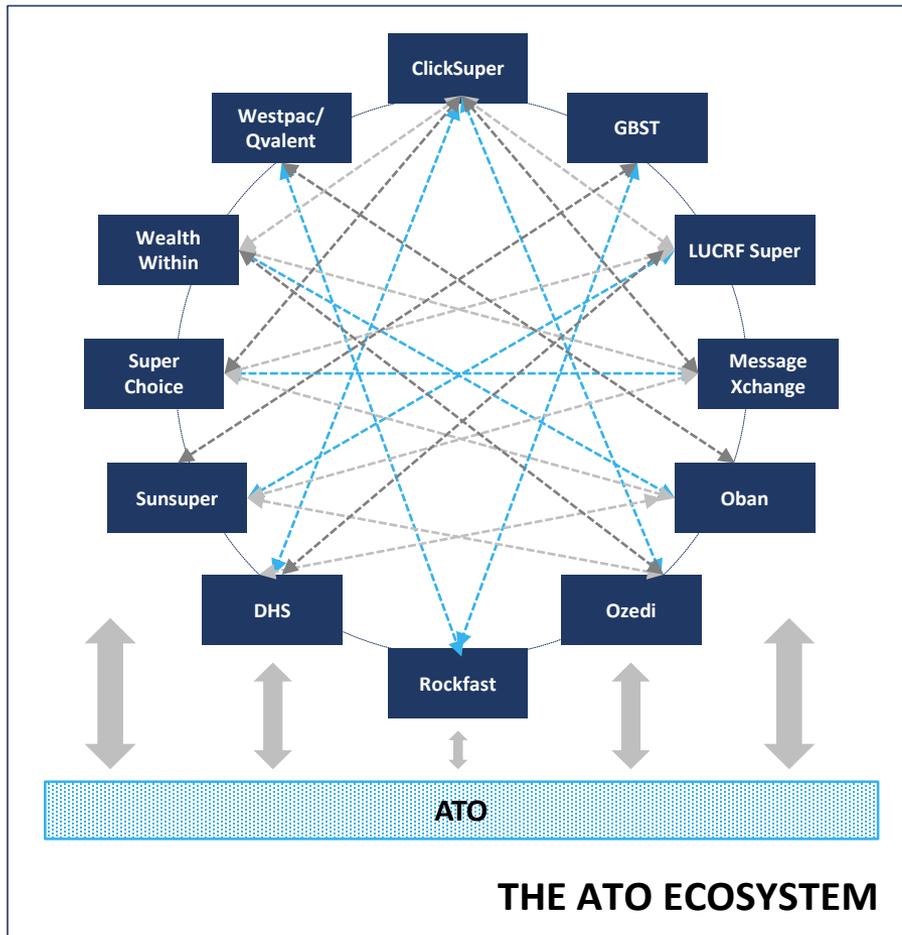
eBlueprint - Multi-Industry Experience with AS4

eBlueprint has a proven track record of successful AS4 Implementations among different markets and contexts and is able to provide a solution compliant with the ENTSOG Requirements



The ATO Ecosystem - Overview

As result of the SuperStream Reform, the Superannuation Industry quickly had to adapt to be AS4 compliant, creating an ecosystem composed by Gateways implemented on several technologies



INTERACTIONS

↔ Exchange of information between Gateways from the Superannuation Industry (*Representative*).

↕ Exchange of information between Gateways from the Superannuation Industry and the ATO (*Representative*).

TECHNOLOGIES

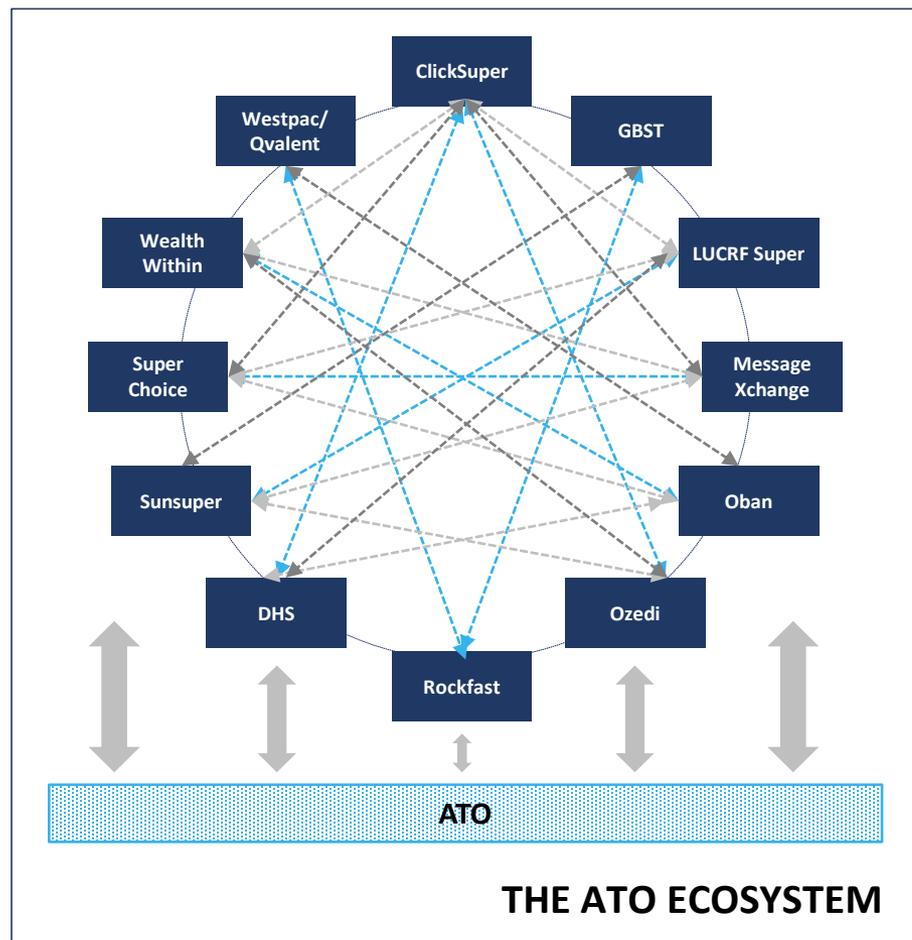
Gateways from the Superannuation Industry implemented on several Technologies from different providers, such as:

Gateway xy

- IBM
- Flame Computing Enterprise
- Axway
- Microsoft - .NET
- Among others.

The ATO Ecosystem – Interoperability Tests

eBlueprint had a key role supporting the execution of the interoperability tests made to the ATO ecosystem, proving our teams with deep knowledge and experience across multi AS4 technologies



INTEROPABILITY TESTS CONDUCTED

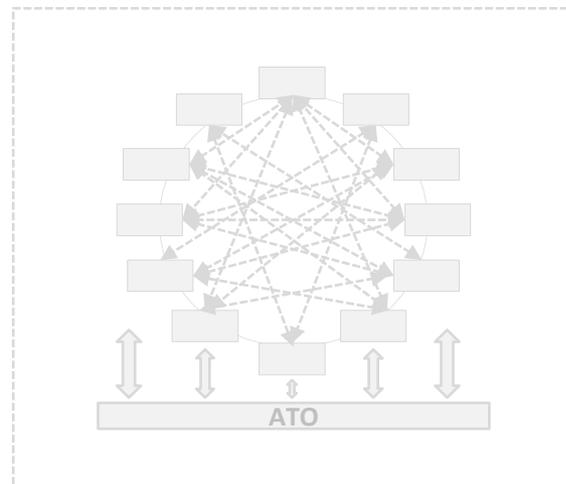
Connectivity	✓
Standards	✓
Security	✓
Reliability	✓
INBOUD TRANSACTIONS	OUTBOUND TRANSACTIONS

eBlueprint team of experienced consultants:

- ✓ Supported the implementation and improvement of the **interoperability tests** executed among gateways built on **different technologies** – e.g. IBM, Flame Computing Enterprise, Axway, .NET
- ✓ Developed **deep knowledge and experience across multi AS4 technologies.**

eBlueprint - Multi-Industry Experience with AS4

eBlueprint has a proven track record of successful AS4 Implementations among different markets and contexts and is able to provide a solution compliant with the ENTSOG Requirements



SUCCESSFUL IMPLEMENTATIONS

INTEROPERABILITY

COMPLIANCE WITH ENTSOG AS4 COMMUNICATION PROFILE

Compliance with ENTSOG AS4 Communication Profile

eBlueprint Successful AS4 Implementations used IBM Technology – IBM Sterling B2B Integrator and IBM B2B Advanced Communication – which is compliant with the key ENTSOG Requirements

Organizations

Filter by Name

Name	Type
ATO	Trading Partner
B2B Master Organization	Owner
DESFA	Trading Partner
Gas Connect Austria GmbH	Trading Partner
Gas Networks Ireland	Trading Partner
REN - Gasodutos	Trading Partner
Super Stream Sender	Trading Partner
eBlueprint Gas 2	Trading Partner

1. Trading partner on-boarding 

TRADING PARTNER

SECURITY & CERTIFICATE

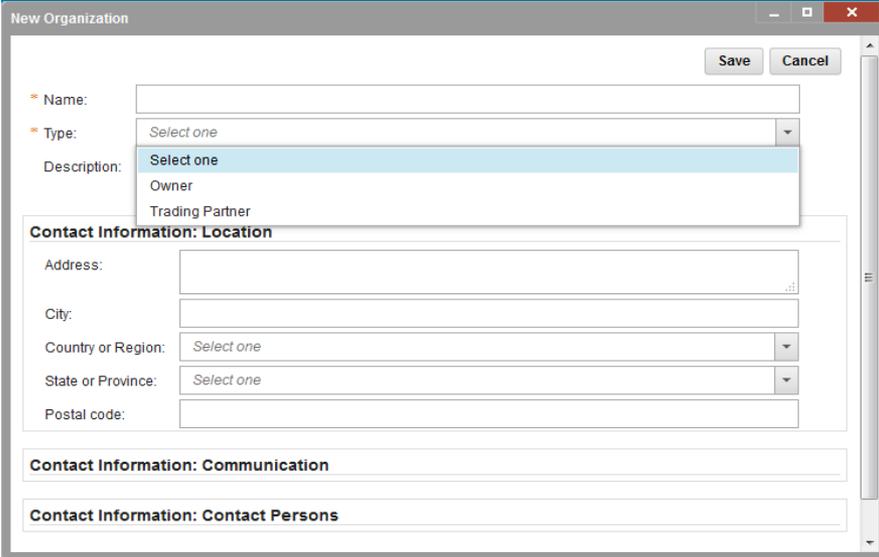
LOGGING

Note: Screenshots to IBM B2B Advanced Communications Platform using representative information



Compliance with ENTSOG AS4 Communication Profile

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1. Trading partner on-boarding



TRADING PARTNER

SECURITY & CERTIFICATE

LOGGING

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Gas Networks Ireland

Trading Partner

1. Trading partner on-boarding 

Identity

Name:	Gas Networks Ireland
Description:	Gas Networks Ireland
Unique Identifier:	1ea65c01-c2be-4c81-a08f-593e1d032334

Contact Information

Address:	PO Box 51 Gasworks Road
City:	Cork
Country or Region:	Ireland
State or Province:	
Postal code:	
Phone number:	021 453 4000
Extension:	
Fax number:	021 453 4001
Email:	
Web site:	www.gasnetworks.ie

TRADING PARTNER

SECURITY & CERTIFICATE

LOGGING

Note: Screenshots to IBM B2B Advanced Communications Platform using representative information



Compliance with ENTSOG AS4 Communication Profile

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ENTSOG AS4 Profile PMode Conformance Policy Edit

Basic Properties	
Associated Organization:	B2B Master Organization
Name:	ENTSOG AS4 Profile PMode Conformance Policy
Description:	A conformance policy meeting the ENTSOG AS4 Profile

Edit

Bundling	
Bundling:	<input type="checkbox"/> Bundle Receipt and Error Messages

Edit

Security	
Encryption / Decryption:	<input checked="" type="checkbox"/> Enable encryption Algorithm: AES 256 Security reference type: X509 Identifier Key transport algorithm: RSA-OAEP-MGF1P
Signing:	<input checked="" type="checkbox"/> Enable encryption Certificate Alias: EBPAS1 <input checked="" type="checkbox"/> Outbound exchanges use X.509 certificate to sign the data Certificate Alias: EBPAS1 Key Identifier: Binary Security Token
Message layer authentication:	<input checked="" type="checkbox"/> Inbound exchanges require signed messages Signature hash function: SHA256 Digest hash function: SHA256 <input checked="" type="checkbox"/> Enable user authentication checking Authenticate with: <input type="checkbox"/> User name token Password type: None <input checked="" type="checkbox"/> X.509 certificate Authenticate via: <input type="checkbox"/> User exit <input checked="" type="checkbox"/> System default

1. Trading partner on-boarding 

2. AS4 profile setup 

TRADING PARTNER

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Note: Screenshots to IBM B2B Advanced Communications Platform using representative information

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Compliance with ENTSOG AS4 Communication Profile

eBlueprint Successful AS4 Implementations used IBM Technology – IBM Sterling B2B Integrator and IBM B2B Advanced Communication – which is compliant with the key ENTSOG Requirements

The screenshot displays the configuration interface for the AS4 profile, organized into four main sections:

- Reliability:** Includes options for 'Require receipt' (set to 'Synchronously'), 'Interval for Receipts' (180 Minutes), 'Enable resending of messages if receipt not received' (checked), 'Number of retries' (16), 'Detect duplicates' (checked), 'Eliminate duplicate messages' (checked), and 'Enable delivery assurance via WS-ReliableMessaging' (unchecked).
- Error Handling:** Shows 'Report ebMS errors for push' set to 'Synchronous'.
- Notifications:** Shows 'Notify message producer' set to 'Default Notification Destination'.
- File Size Optimization:** Includes 'Spitting and Joining' options: 'Spit and join' (unchecked), 'Split files larger than' (10 Mb), 'Maximum fragment size' (10 Mb), 'Join timeout' (60 Minutes), 'Write source message to storage' (unchecked), 'Non-repudiation of receipts' (unchecked), 'Digest algorithm' (Md5), and 'Compression' (checked) with 'Compression files larger than' (0 Kb) and 'Compression level' (Medium).

1. Trading partner on-boarding



2. AS4 profile setup



TRADING PARTNER

SECURITY & CERTIFICATE

LOGGING

Note: Screenshots to IBM B2B Advanced Communications Platform using representative information

Compliance with ENTSOG AS4 Communication Profile

eBlueprint Successful AS4 Implementations used IBM Technology – IBM Sterling B2B Integrator and IBM B2B Advanced Communication – which is compliant with the key ENTSOG Requirements

The screenshot displays the configuration for an AS4 One-Way/Push profile. It is divided into three main sections: Exchange Identification, Basic Properties, and Participating Organizations. The Exchange Identification section shows the profile name, direction (Inbound), and message exchange pattern (One-Way/Push). The Basic Properties section includes fields for Name, Description, Service, and Agreement URI. The Participating Organizations section lists the Owner Organization (EBP Master Organization) and the Trading Partner Organization (eBlueprint Gas 2), both with their respective roles and IDs.

1. Trading partner on-boarding



2. AS4 profile setup



3. Trading partner configuration (communication setup)



TRADING PARTNER

SECURITY & CERTIFICATE

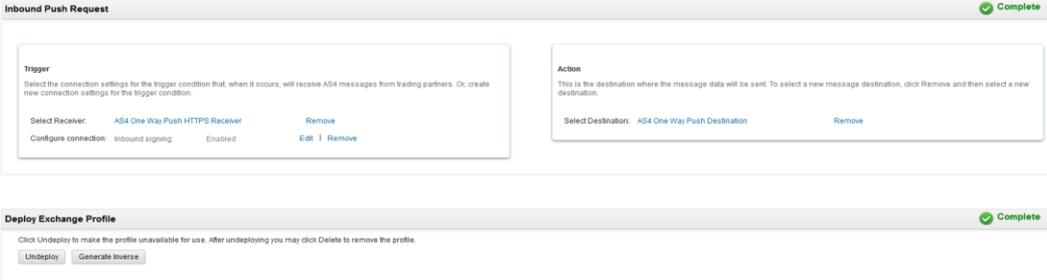
LOGGING

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Compliance with ENTSOG AS4 Communication Profile

eBlueprint Successful AS4 Implementations used IBM Technology – IBM Sterling B2B Integrator and IBM B2B Advanced Communication – which is compliant with the key ENTSOG Requirements



The screenshot displays the configuration interface for an AS4 communication profile. It is divided into two main sections: 'Inbound Push Request' and 'Deploy Exchange Profile'. Both sections are marked as 'Complete' with a green checkmark icon. The 'Inbound Push Request' section contains two sub-sections: 'Trigger' and 'Action'. The 'Trigger' section shows a selected receiver 'AS4 One Way Push HTTPS Receiver' and configuration options for 'Inbound signing' (Enabled). The 'Action' section shows a selected destination 'AS4 One Way Push Destination'. The 'Deploy Exchange Profile' section includes 'Undeploy' and 'Generate Inverse' buttons.

- 1. Trading partner on-boarding 
- 2. AS4 profile setup 
- 3. Trading partner configuration (communication setup) 

TRADING PARTNER

SECURITY & CERTIFICATE

LOGGING

Note: Screenshots to IBM B2B Advanced Communications Platform using representative information



Compliance with ENTSOG AS4 Communication Profile

eBlueprint Successful AS4 Implementations used IBM Technology – IBM Sterling B2B Integrator and IBM B2B Advanced Communication – which is compliant with the key ENTSOG Requirements

HTTPS Server B2BstrOrg 443

HTTPS

Edit

Basic Properties

Associated Organization:	B2B Master Organization
Name:	HTTPS Server B2BstrOrg 443
Description:	HTTPS server bound the B2B Master Organization and listening on port 443
Port:	443
Public URL:	https://debp1bac02
Perimeter server:	<input type="checkbox"/> Enable perimeter server
Thread pool:	Default 10 Threads

Edit

TCP Properties

Maximum open connections:	128,000
Inactivity timeout:	60,000
Include addresses:	
Exclude addresses:	
Include host names:	
Exclude host names:	

Edit

HTTP Properties

Basic authentication:	<input checked="" type="checkbox"/> Enable basic authentication
Read timeout:	60,000
Write timeout:	60,000
Persistent timeout:	30,000

*Required

1. SSL configuration

TRADING PARTNER

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Note: Screenshots to IBM B2B Advanced Communications Platform using representative information

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Compliance with ENTSOG AS4 Communication Profile

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Inactivity timeout:	60,000
Include addresses:	
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Basic authentication:	<input checked="" type="checkbox"/> Enable basic authentication
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*Required

1. SSL configuration



TRADING PARTNER

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LOGGING

Note: Screenshots to IBM B2B Advanced Communications Platform using representative information



Compliance with ENTSOG AS4 Communication Profile

eBlueprint Successful AS4 Implementations used IBM Technology – IBM Sterling B2B Integrator and IBM B2B Advanced Communication – which is compliant with the key ENTSOG Requirements

Digital Certificates

Filter by Alias New

Filter	Alias	Type	Subject	Valid From Date	Valid To Date	Effective From Date	Effective To Date
CA Certificates	ATOPublicCertificate	Trading Partner Public Certificate	test.ato.stg.gov.au	Jan 19, 2015, 11:00:00 AM	Jan 20, 2016, 10:59:59 AM	Aug 13, 2015, 1:50:00 PM	Aug 12, 2016, 1:50:00 PM
Private/Public Key Pairs	EBPGAS2	Trading Partner Public Certificate	21X-AT-A-ZZZZZ-2	Jul 30, 2015, 10:29:47 AM	Jul 29, 2018, 10:29:47 AM	Jul 30, 2015, 10:50:00 AM	Jul 28, 2018, 10:50:00 AM

Trading Partner Public Certificates 1 - 2 of 2 25 rows

Clear Filter

EBPGAS2 Edit

Basic Properties

Associated Organization: eBlueprint Gas 2

Alias: EBPGAS2

Type: Trading Partner Public Certificate

Description:

Certificate Usage: HTTPS client authentication
 Signing / Signature verification
 Encryption / Decryption

Digital Certificates

Add Filter

Subject	Issuer	Effective From Date	Effective To Date	Order Of Use
21X-AT-A-ZZZZZ-2	ENTSOG CA	Jul 30, 2015, 10:50:00 AM	Jul 29, 2018, 10:50:00 AM	1

1 - 1 of 1 25 rows

1. SSL configuration 

2. Trading partner certificate management 

TRADING PARTNER

SECURITY & CERTIFICATE

LOGGING

Note: Screenshots to IBM B2B Advanced Communications Platform using representative information

Compliance with ENTSOG AS4 Communication Profile

eBlueprint Successful AS4 Implementations used IBM Technology – IBM Sterling B2B Integrator and IBM B2B Advanced Communication – which is compliant with the key ENTSOG Requirements

New Trading Partner Public Certificate

Associated Organization: eBlueprint Gas 2 Remove

Certificate File:

Certificate Alias:

- Use an existing certificate alias
EBPGAS2
- Create new certificate alias

Effective from date: Oct 12, 2015, 12:00 PM

Effective to date: Oct 11, 2016, 12:00 PM

Required

1. SSL configuration

2. Trading partner certificate management

TRADING PARTNER

SECURITY & CERTIFICATE

LOGGING

Note: Screenshots to IBM B2B Advanced Communications Platform using representative information



Compliance with ENTSOG AS4 Communication Profile

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21X-AT-A-ZZZZ-2

Certificate Details	
Certificate Alias:	EBPGASZ
Subject:	21X-AT-A-ZZZZ-2
SHA-1 fingerprint:	15f0c434e28e382be6994d3134411e0d08e0bb6c
SHA-256 fingerprint:	2de5b669745ee79ebf023855373a9ef0acaccf9201305382b029a754d5442f
MD5 fingerprint:	5fa7b11f1cde6324e8b047c5ec7b57
Valid from date:	Jul 30, 2015, 10:29:47 AM
Valid to date:	Jul 29, 2018, 10:29:47 AM
Effective from date:	Jul 30, 2015, 10:50:00 AM
Effective to date:	Jul 29, 2018, 10:50:00 AM
Order of use:	1
Description:	
Certificate version:	1
Serial number:	fd84ef82a77421b
Issuer:	ENTSOG CA
Public key algorithm:	RSA
Public key:	001f043191aaef30333b1fd5d07d4cb7be99f555e5d9b0f0201730e24099df8e0e4e51003c4e9a3327654770ccc504bf4d07 6b8e6b47f0b6529ab92b283e303ee850532388c07bc85603a291f29663d28c05e5c79a12a397e717091fd309b0b027a13c4738b46 7e8e92481aaba217725b980db1868b3e3a09eca0ab36fd25e9050e73b363263654da334f9716d3cc45a100017510d0e87079781601 a2ae1219ba23524c9588940df106789653ca9fb057a45074b9a3e6b0893a85309753b2a0cc1493a5a947e999994ca8d015fa83757 4ca18622218baa48b49b38176c396ccdc37ba539277a9d4784954e230b0df1511a8d661
Public exponent:	65537
Public key size:	2,048
Signature algorithm:	SHA1withRSA
Signature:	1278af85173ab6c9970ce367aec56deb895fe534fb5fb52c55eef32d29aaa16135e6db2d8da6558dbb78096805d38573bccd40b 207c8db9d35604f32b082a9eb750d79f6b9bd066db395c3964aa8953e3a423be22967c12711d242aae86167e9d242e6ebef c431c248707890a03263377431164545f00242cd9590c114670a707894d2b1980063a4c9e0bc0b31faa77e8ada1c2521561c501 8cc479b869d0092781634466197b2616884e5d8cad72bca00d94e5d4c3ae10a4f0c32ea9384b85138a33a8818adb8a0a827c3 d8afa0448262e6b615a4a673439df35d3ae01c1025a8ee38a7d5b08175c024d39f194b075671b996c81f2e505443a41eba30 6ba73b70e4d117bb57108a699995277f844aa66850d99274b0cda0954049614bc2a55097e8d57a9b446d5390a99399e9ab

1. SSL configuration 

2. Trading partner certificate management 

TRADING PARTNER

SECURITY & CERTIFICATE

LOGGING

Note: Screenshots to IBM B2B Advanced Communications Platform using representative information

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Compliance with ENTSOG AS4 Communication Profile

eBlueprint Successful AS4 Implementations used IBM Technology – IBM Sterling B2B Integrator and IBM B2B Advanced Communication – which is compliant with the key ENTSOG Requirements

Certificate Revocation Lists

Filter by Name

Name	Distribution Point	Publication Interval	Unit	Tolerance Period	Unit
Test	https://testurl	30	days	1	days

1 - 1 of 1

Certificate Revocation Lists >

https://testurl

General

Name: Test

Description: None

Distribution point: https://testurl

Publication interval: 30 Days

Tolerance period: 1 Days

*Required

1. SSL configuration 
2. Trading partner certificate management 
3. Certificate revocation list 

TRADING PARTNER

SECURITY & CERTIFICATE

LOGGING

Note: Screenshots to IBM B2B Advanced Communications Platform using representative information

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Search Terms:

Match Type: Contains Exact Begins With Ends With

Filter by:

Search

Timeframe **Status** **Pattern**

Trading Partners **Receivers** **Exchange Profiles**

Destinations

Search Results

Transaction ID	Profile Name	Reference ID	Time	Status	Partner	Pattern	Conversation ID	Document Names
b4819a1c-0f8a-4d37-314e-a5114552cc4	AS4 One-Way/Push from ERP Gas 2	a01a79b5-2364-4268-9158-d2ca7824ca4@1442074015683	Sep 24, 2015, 4:06:57 PM	Success Processing_Success	eBlueprint Gas 2	AS4 One-Way Push Inbound	786c72ed-df82-4330-a952-4e2785879a6	
a952c485-8285-4c25-872a-8a684c80a1c9	AS4 One-Way/Push from ERP Gas 2	a9b16f59-8851-4a85-a461-a24851250135@1442365841587	Sep 22, 2015, 5:10:43 PM	Success Processing_Success	eBlueprint Gas 2	AS4 One-Way Push Inbound	5c93c8ee-8248-4771-a938-a9353554d2c3	
4b6a8c1e-8203-43a3-b11e-43909d0072	AS4 Two-Way/Push-Pull for ATO FVSG	b7078222-3121-4a95-8646-78132a18704@1442099115570	Sep 22, 2015, 3:16:54 PM	Success Processing_Success	ATO	AS4 Two-Way Push-Pull Outbound	11000025682015-09-22 15:11:41.45844966091-41f0-4016-a9a2-2c2326f1e4d236274@gate.wy.superstream.com.au	
ce1904b5-5987-48e6-bd92-a5888eead10	AS4 Two-Way/Push-Pull for ATO FVSG	d6c83651-189a-4e72-a513-885415537012@144289612101	Sep 22, 2015, 3:16:51 PM	Success Processing_Success	ATO	AS4 Two-Way Push-Pull Outbound	11000025682015-09-22 15:11:41.45844966091-41f0-4016-a9a2-2c2326f1e4d236274@gate.wy.superstream.com.au	[Part1]
48413c16-3145-4937-8e11-822ae323bc982741	AS4 Two-Way/Push-Pull for ATO FVSG	b8813e41-896c-4183-8b7b-c078c2495625@144209870886	Sep 22, 2015, 3:11:43 PM	Success Processing_Success	ATO	AS4 Two-Way Push-Pull Outbound	11000025682015-09-22 15:11:41.45844966091-41f0-4016-a9a2-2c2326f1e4d236274@gate.wy.superstream.com.au	
39475c34-a0a3-4d2e-8b86-68150a05c61	AS4 Two-Way/Push-Pull for ATO FVSG	158e99a-236f-4e14-a030-a80485c1154@14420986534030	Sep 22, 2015, 2:35:33 PM	Error Processing Failed	ATO	AS4 Two-Way Push-Pull Outbound	14.20:18.3844454488-2869-498a-aad2-ce4f88a3e2982704@gate.wy.superstream.com.au	

1. Real time communication logging



TRADING PARTNER

SECURITY & CERTIFICATE

LOGGING

Note: Screenshots to IBM B2B Advanced Communications Platform using representative information

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Compliance with ENTSOG AS4 Communication Profile

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RESPONSE		REQUEST	
Status	Event	Status	Event
SUCCESS	PACKAGING	SUCCESS	RECEIVING_REQUEST
SUCCESS	SIGNATURE_PROCESSING	SUCCESS	REQUEST_PROCESSING
SUCCESS	SECURITY_PROCESSING	SUCCESS	TP_EXCHANGE_PROFILE_LOOKUP
SUCCESS	MIME_PACKAGING	SUCCESS	EBMS_HEADER_PROCESSING
SUCCESS	PROCESSING_COMPLETED	SUCCESS	DECRYPTION_PROCESSING
SUCCESS	PROCESSING	SUCCESS	SIGNATURE_PROCESSING
		SUCCESS	SECURITY_PROCESSING
		SUCCESS	DECOMPRESSION_PROCESSING
		SUCCESS	PERSISTING_DATA
		SUCCESS	PAYLOAD_SEND_FOR_PROCESSING

1 - 6 of 6

1. Real time communication logging

2. Steps logging

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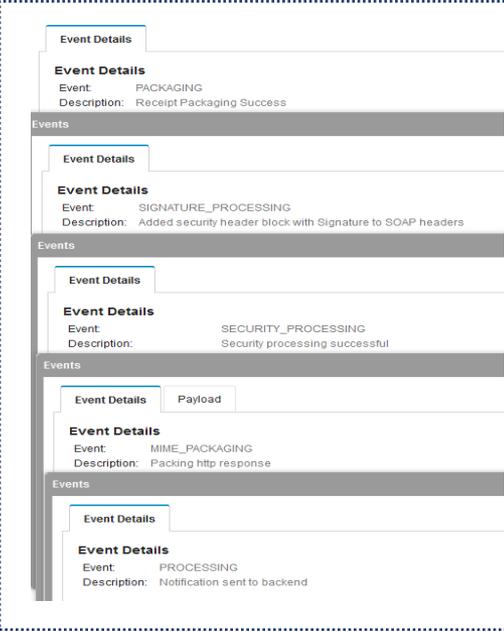
LOGGING

Note: Screenshots to IBM B2B Advanced Communications Platform using representative information



Compliance with ENTSOG AS4 Communication Profile

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The screenshot displays a series of event logs in a web interface. Each log entry includes an 'Event Details' section with the following information:

- Event:** PACKAGING, SIGNATURE_PROCESSING, SECURITY_PROCESSING, MIME_PACKAGING, PROCESSING
- Description:** Receipt Packaging Success, Added security header block with Signature to SOAP headers, Security processing successful, Packing http response, Notification sent to backend

Below the screenshot, three requirements are listed, each with a blue checkmark icon in a box:

1. Real time communication logging
2. Steps logging
3. Non-repudiation receipt communication

TRADING PARTNER

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LOGGING

Note: Screenshots to IBM B2B Advanced Communications Platform using representative information



Compliance with ENTSOG AS4 Communication Profile

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Event	Time	Event	Time
PACKAGING	Sep 24, 2015, 4:07:00 PM	RECEIVING_REQUEST	Sep 24, 2015, 4:06:57 PM
SIGNATURE_PROCESSING	Sep 24, 2015, 4:07:01 PM	REQUEST_PROCESSING	Sep 24, 2015, 4:06:57 PM
SECURITY_PROCESSING	Sep 24, 2015, 4:07:01 PM	TP_EXCHANGE_PROFILE_LOOK UP	Sep 24, 2015, 4:06:57 PM
MIME_PACKAGING	Sep 24, 2015, 4:07:01 PM	EBMS_HEADER_PROCESSING	Sep 24, 2015, 4:06:57 PM
PROCESSING_COMPLETED	Sep 24, 2015, 4:07:01 PM	DECRYPTION_PROCESSING	Sep 24, 2015, 4:07:00 PM
PROCESSING	Sep 24, 2015, 4:07:01 PM	SIGNATURE_PROCESSING	Sep 24, 2015, 4:07:00 PM
		SECURITY_PROCESSING	Sep 24, 2015, 4:07:00 PM
		DECOMPRESSION_PROCESSING	Sep 24, 2015, 4:07:00 PM
		PERSISTING_DATA	Sep 24, 2015, 4:07:00 PM
		PAYLOAD_SEND_FOR_PROCESSING	Sep 24, 2015, 4:07:00 PM

- 1. Real time communication logging 
- 2. Steps logging 
- 3. Non-repudiation receipt communication 
- 4. Time taken by each steps 

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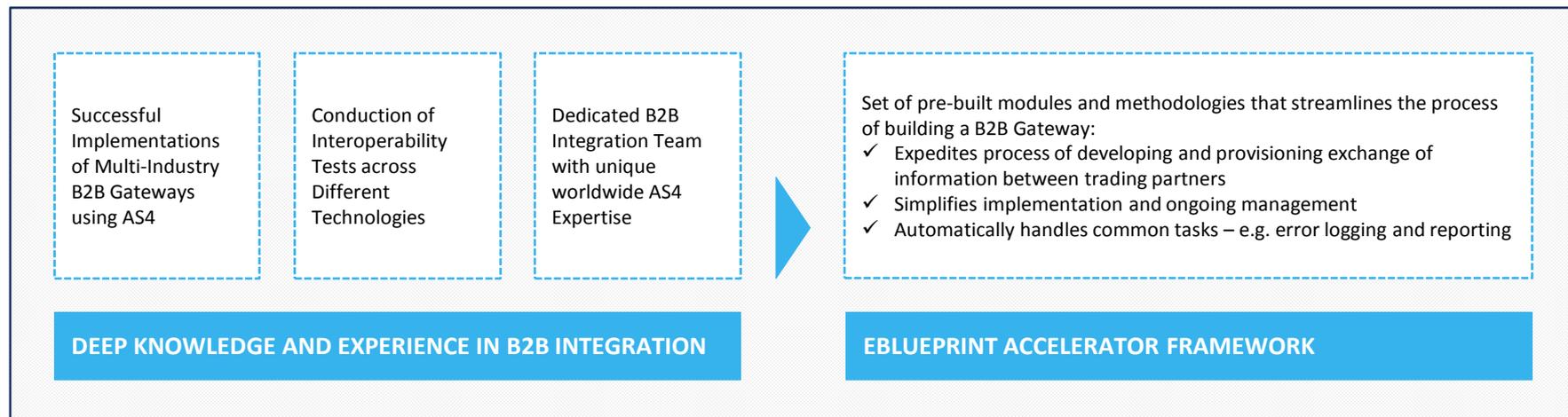
LOGGING

Note: Screenshots to IBM B2B Advanced Communications Platform using representative information



eBlueprint - Accelerator Framework & Benefits

Based on our vast B2B Integration experience, eBlueprint developed an Accelerator Framework which provides rapid service provisioning, flexible and tailored by industry and business needs.



ACCELERATES IMPLEMENTATIONS

- ✓ Simplifies Service Provisioning
- ✓ Speeds Trading Partner Onboarding
- ✓ Streamlines Ongoing Processes



INCREASES RETURN ON INVESTMENT

- ✓ Reduces Implementations Costs
- ✓ Minimizes IT Teams efforts
- ✓ Improves Overall Efficiency



PROVIDES FUTURE-PROOF SOLUTIONS

- ✓ Fully compliant with ENTSOG Requirements and AS4 protocol
- ✓ High Flexibility and Extentability

eBlueprint - Accelerator Framework Features

eBlueprint Accelerator Framework currently complies with the majority of ENTSOG AS4 Communication Profile Requirements - Upcoming Release will include continuous enhancements.

Current Features:

- ✓ Initiate outbound AS4 messages complying with the ENTSOG AS4 profile
- ✓ Handle incoming AS4 messages complying with the ENTSOG AS4 profile
- ✓ Store metadata information for all incoming and outgoing messages
- ✓ Track and log business processes
- ✓ Supports AS4 payloads passed as attachments
- ✓ Communication protocol support for FTP, SFTP, Email and HTTP/S

Next Release Features:

- ✓ Communication support for AS2 and Connect:Direct
- ✓ Supports AS4 payloads passed in SOAP Body
- ✓ Enhanced tracking with document metadata
- ✓ Validate metadata and document structure for EDIGAS messages
- ✓ Administration portal for configuring and managing services.
- ✓ Identify, validate and process payloads using pre-built EDIGAS modules

CURRENT IMPLEMENTATION

eBlueprint Accelerator Framework Current Features

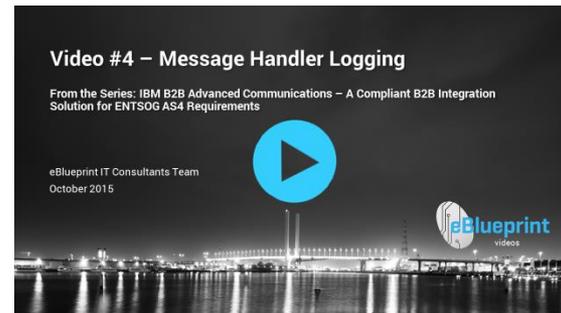
UPCOMING IMPLEMENTATION

eBlueprint Accelerator Framework Next Release Features

Annexes

Compliance with ENTSOG AS4 Communication Profile

Series: IBM B2B Advanced Communications – A Compliant B2B Integration Solution for ENTSOG AS4 Requirements



Click on the image to start video

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eBlueprint – Compliance with ENTSOG AS4 Communication Profile

Richard Lynders

eBlueprint Managing Director

October 2015

