

# eBlueprint – Compliance with ENTSOG AS4 Communication Profile

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eBlueprint Managing Director

October 2015



# Agenda



**eBlueprint - Brief Overview**

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**AS4 Successful Implementations**

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**Experience in Interoperability Tests**

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**Compliance with ENTSOG AS4 Communication Profile**

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**eBlueprint - Framework Accelerator: Benefits and Features**

# 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

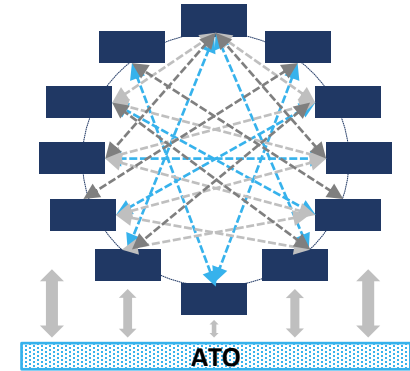


# eBlueprint - Multi-Industry Experience with AS4

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



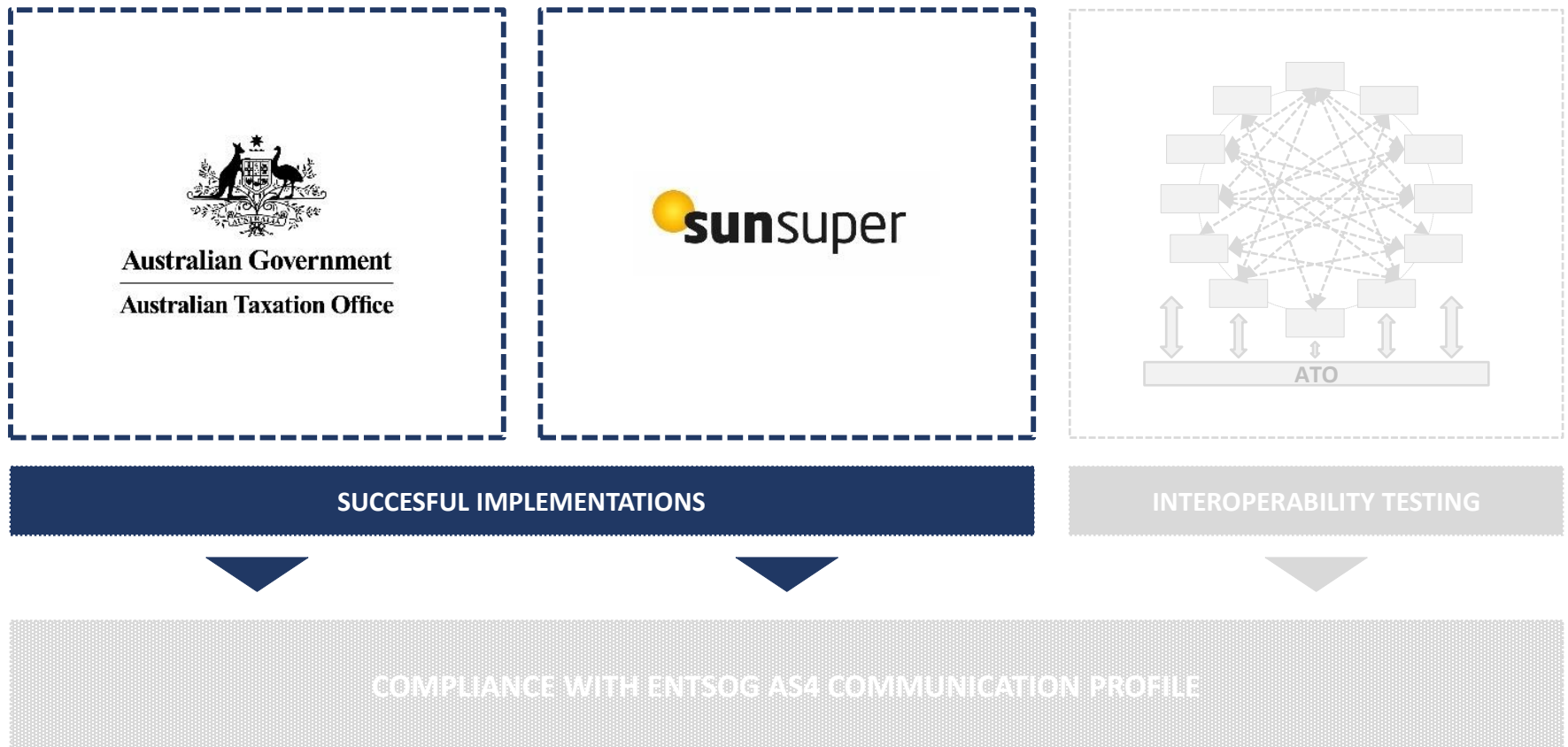
SUCCESSFUL IMPLEMENTATIONS

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

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PERSPECTIVE



Australian Government  
Australian Taxation Office

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### 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  
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OPERATOR  
PERSPECTIVE



Australian Government  
Australian Taxation Office

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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

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Australian Government  
Australian Taxation Office

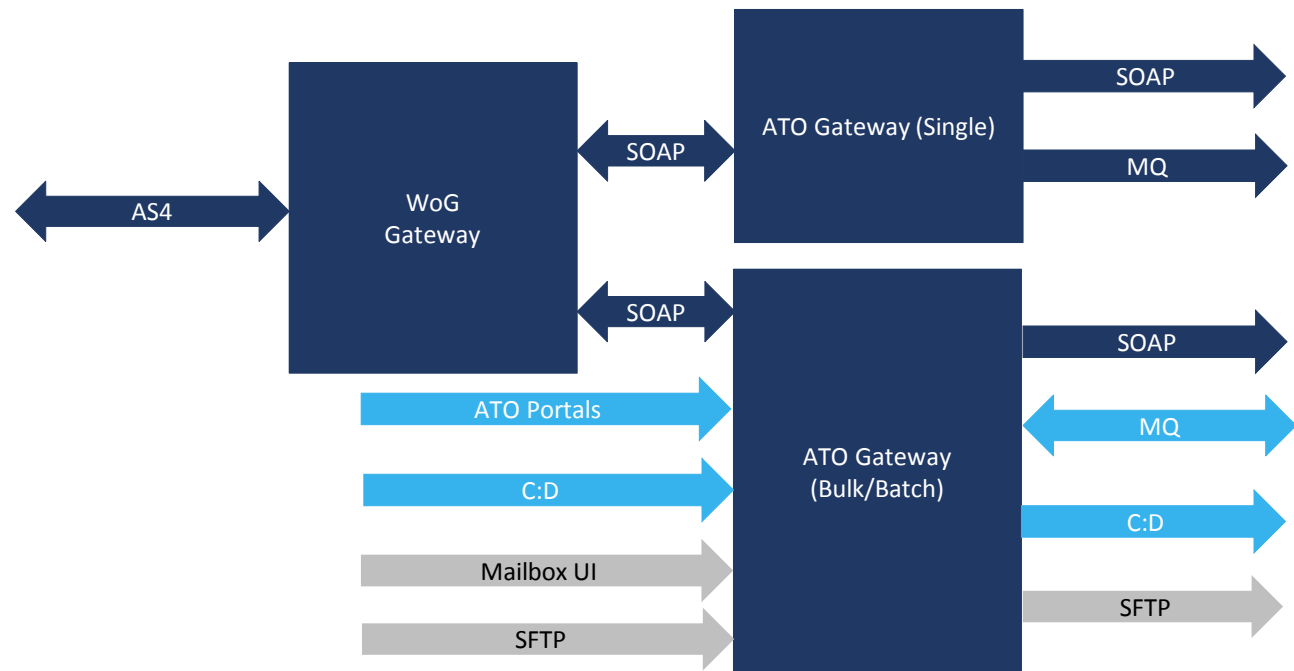
CHALLENGES

SOLUTION

TIMELINE

RESULTS

### Conceptual Architecture



# eBlueprint - AS4 Successful Implementations

## Case Study: Australian Taxation Office

REGULATOR  
PERSPECTIVE

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Australian Government  
Australian Taxation Office

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### 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

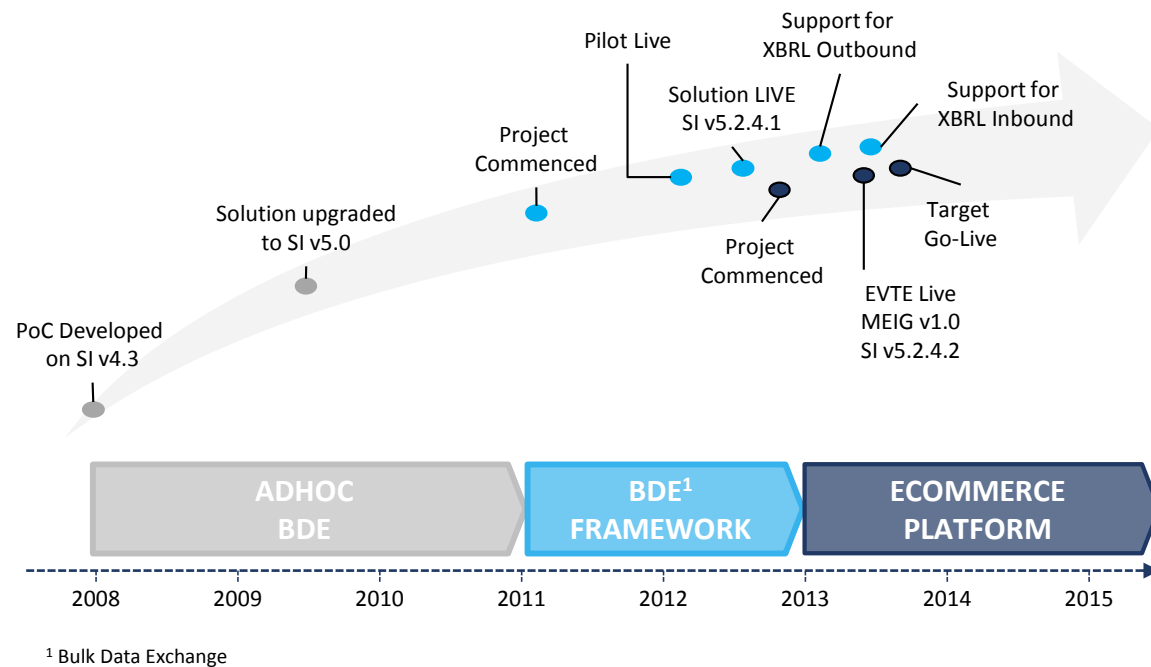
CHALLENGES

SOLUTION

TIMELINE

RESULTS

### Three-phase Project



# eBlueprint - AS4 Successful Implementations

## Case Study: Australian Taxation Office

REGULATOR  
PERSPECTIVE

OPERATOR  
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Australian Government  
Australian Taxation Office

CHALLENGES

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### 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



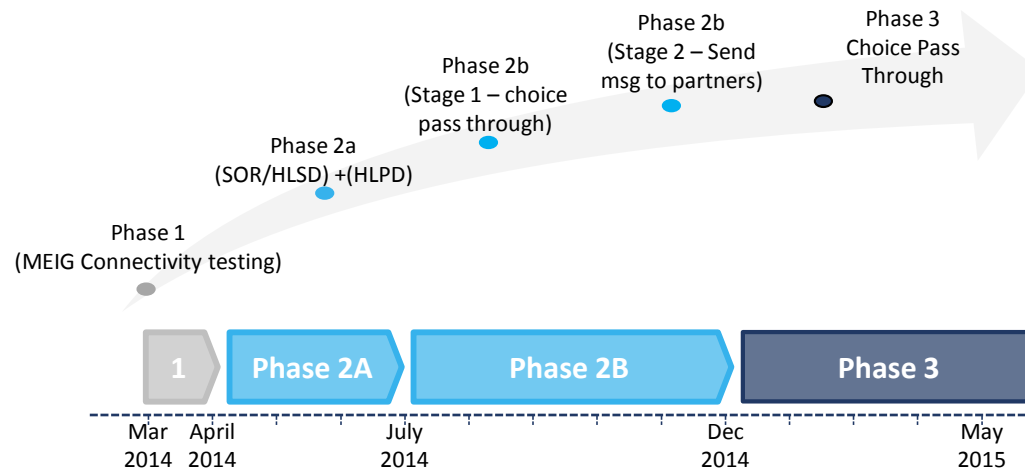
CHALLENGES

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

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CHALLENGES

SOLUTION

TIMELINE

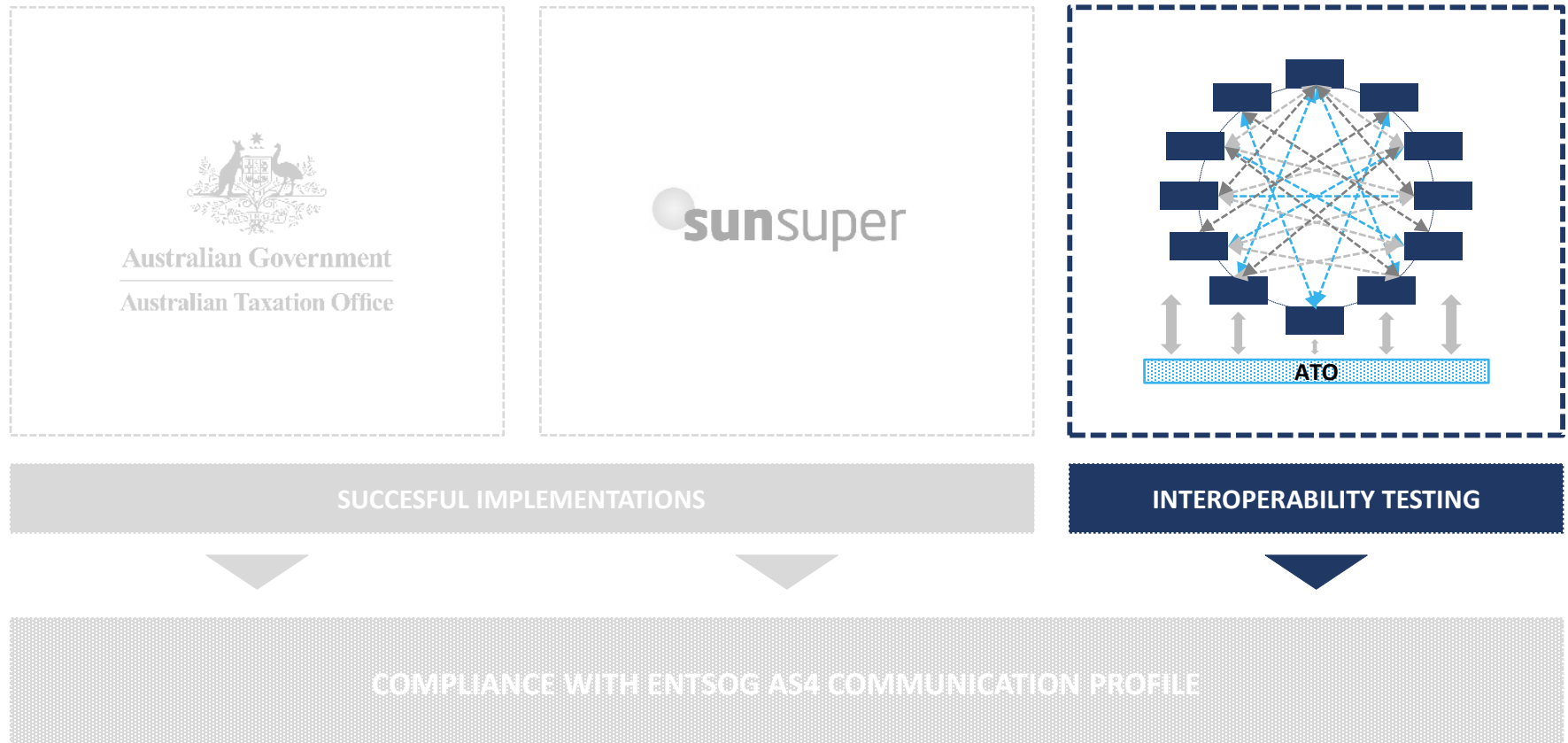
RESULTS

### 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

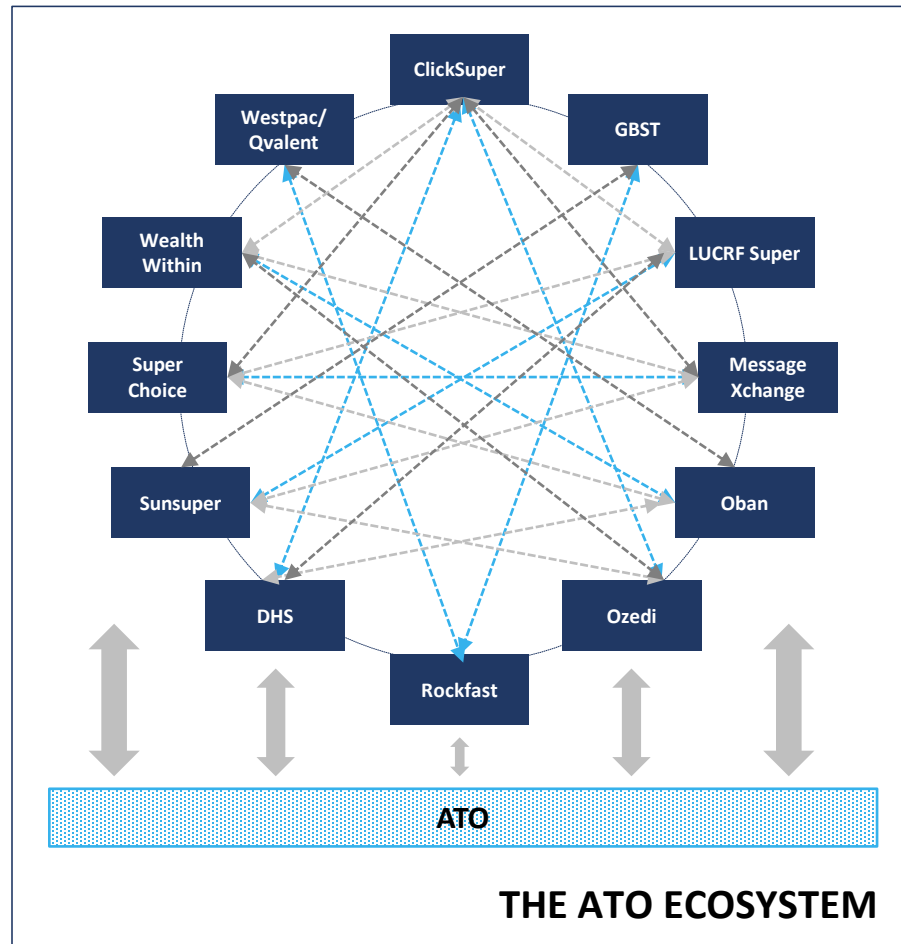
# eBlueprint - Multi-Industry Experience with AS4

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

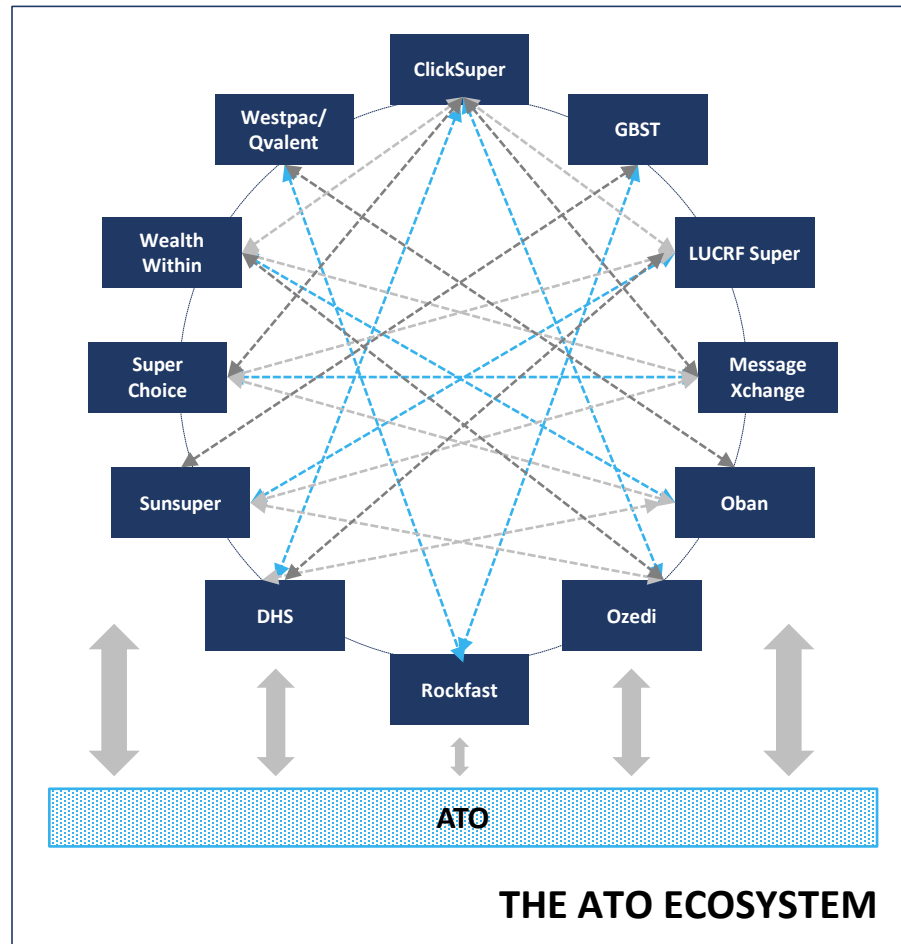
Gateways from the Superannuation Industry implemented on several Technologies from different providers, such as:

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

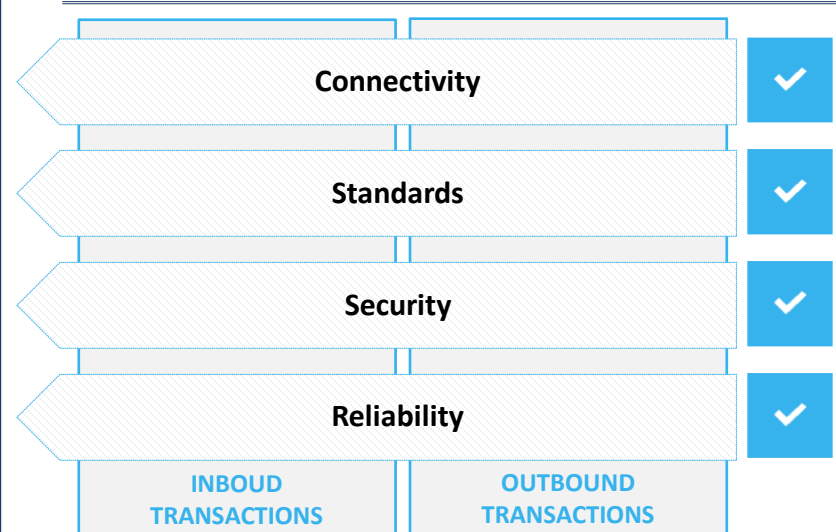
Gateway xy

# 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



### 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.

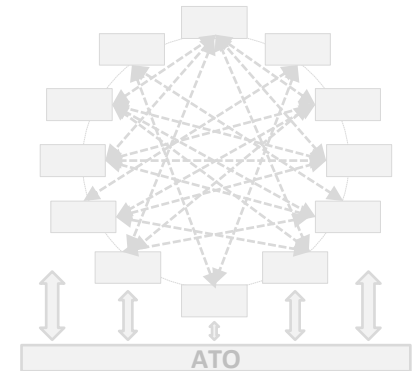


# eBlueprint - Multi-Industry Experience with AS4

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



Australian Government  
Australian Taxation Office



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

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 Organization**

Save Cancel

Name:

Type:

Description:   
Owner  
Trading Partner

**Contact Information: Location**

Address:

City:

Country or Region:

State or Province:

Postal code:

**Contact Information: Communication**

**Contact Information: Contact Persons**

1. Trading partner on-boarding



TRADING PARTNER

SECURITY & CERTIFICATE

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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

Gas Networks Ireland

Trading Partner

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

1. Trading partner on-boarding

TRADING PARTNER

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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

### Basic Properties

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

### Bundling

Bundling: ☐ Bundle Receipt and Error Messages

### Security

Encryption / Decryption:	<input checked="" type="checkbox"/> Enable encryption Algorithm: AES 256 Security reference type: X509 Identifier Key transport algorithm: RSA-OAEP-MGF1P <input checked="" type="checkbox"/> Enable decryption Certificate Alias: EBPQAS1
Signing:	<input checked="" type="checkbox"/> Outbound exchanges use X.509 certificate to sign the data Certificate Alias: EBPQAS1 Key Identifier: Binary Security Token <input checked="" type="checkbox"/> Inbound exchanges require signed messages Signature hash function: SHA256 Digest hash function: SHA256
Message layer authentication:	<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

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 interface of the IBM B2B Advanced Communications Platform, 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' (15), 'Detect duplicates' (checked), 'Eliminate duplicate messages' (checked), and 'WS-ReliableMessaging' (checked).
- Error Handling:** Includes 'Reporting' (Report ebMS errors for push: Synchronous).
- Notifications:** Includes 'Notification' (checked) and 'Notify message producer' (Default Notification Destination).
- File Size Optimization:** Includes 'Splitting and Joining' (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), 'Compression' (checked), 'Compress 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

AS4 One-Way/Push from EBP Gas 2

**Exchange Identification** Complete

**Exchange Properties**

Conformance policy:	ENTSOG AS4 Profile PMode Conformance Policy
Direction:	Inbound
Message exchange pattern:	One-Way/Push

**Basic Properties**

Name:	AS4 One-Way/Push from EBP Gas 2
Description:	
Service:	
Service type:	
Agreement URI:	
Processing mode ID:	
Override party ID:	<input type="checkbox"/> Allow business partner ID to be overridden

**Participating Organizations** Complete

**Owner Organization**

The owner organization that participates in the exchange as a part of this profile type

Organization:	GBB Master Organization	Remove
Owner role:	Auction Office	Remove
Receiver ID:	21X-AT-A-22222-1	
Receiver ID type:	New	

**Trading Partner Organization**

The trading partner organization that will participate in the exchange as a part of this profile type

Organization:	eBlueprint Gas 2	Remove
Trading partner role:	Transit System Operator	Remove
Sender ID:	21X-AT-A-22222-2	
Sender ID type:	New	

1. Trading partner on-boarding 

2. AS4 profile setup 

3. Trading partner configuration (communication setup) 

**TRADING PARTNER**

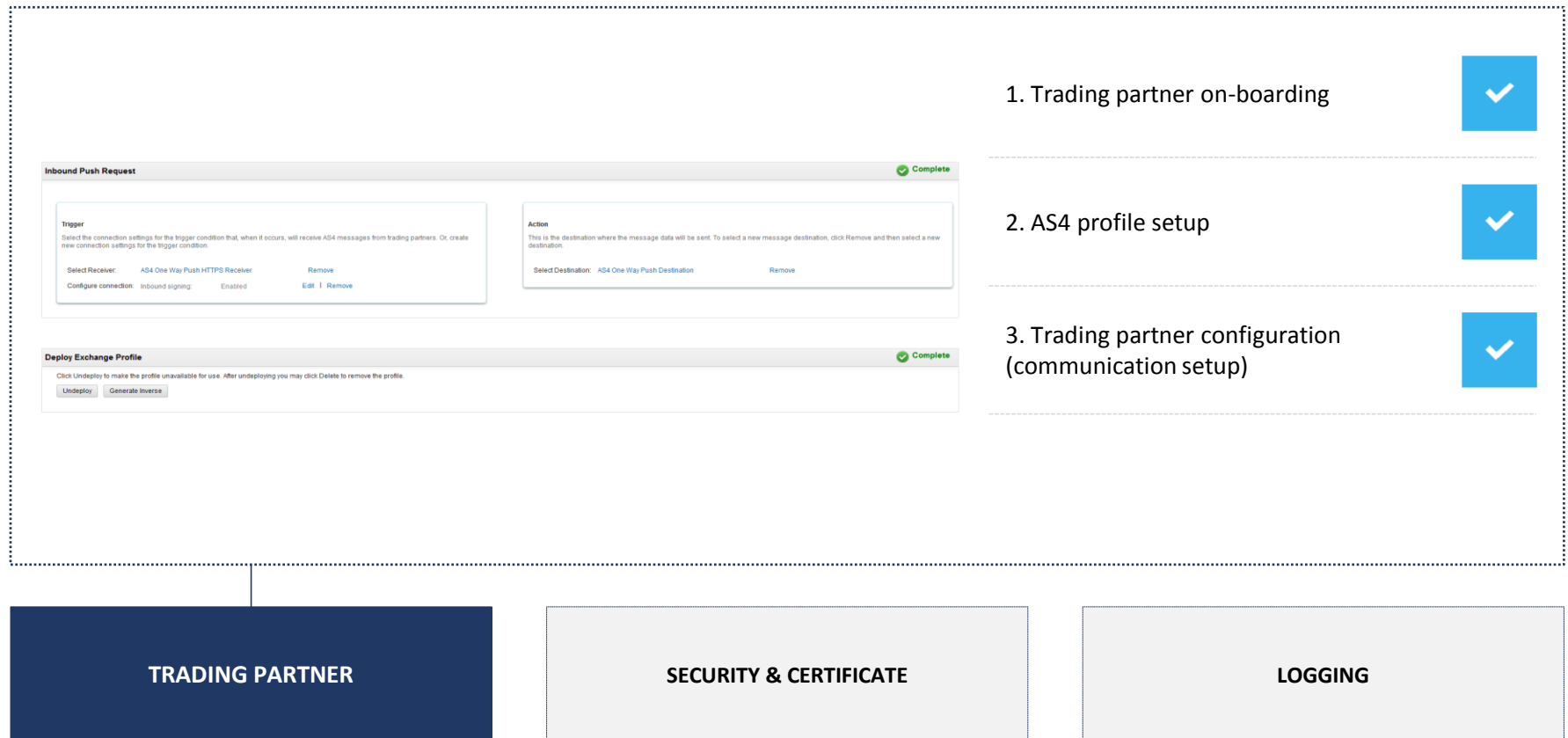
**SECURITY & CERTIFICATE**

**LOGGING**

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

# Compliance with ENTSOG AS4 Communication Profile

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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 B2BMstrOrg 443

### HTTPS

#### Basic Properties

Associated Organization:	B2B Master Organization
Name:	HTTPS Server B2BMstrOrg 443
Description:	HTTPS server bound to 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

#### TCP Properties

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

#### 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

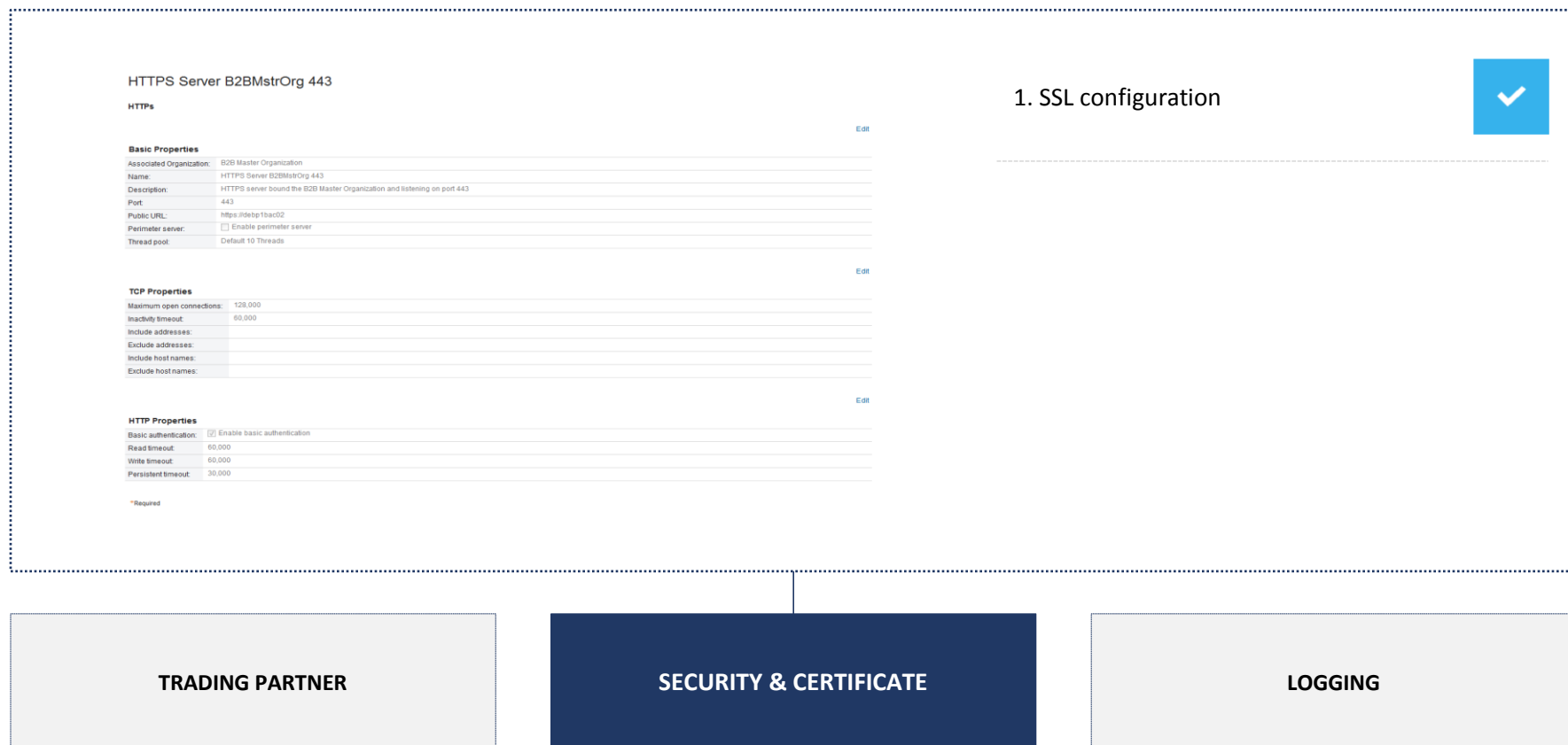
SECURITY & CERTIFICATE

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

# Compliance with ENTSOG AS4 Communication Profile

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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
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
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 29, 2018, 10:50:00 AM

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

Save Cancel

**New Trading Partner Public Certificate**

Associated Organization: eBlueprint Gas 2 Remove

Certificate File: Browse...

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 ENTSG 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 ENTSG Requirements

21X-AT-A-ZZZZ-2

## Certificate Details

Certificate Alias:	EBPGAS2
Subject:	21X-AT-A-ZZZZ-2
SHA-1 fingerprint:	15f9c434e28e382be694d3134411e08e0bb6c
SHA-256 fingerprint:	2de5b69745ee79ebf023855373a9f0acacc9201305382b02da754d5442f
MD5 fingerprint:	5fe7b1f1cde624ef8047c5ec7bd7
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:	fc84ef82a77421b
Issuer:	ENTSG CA
Public key algorithm:	RSA
Public key:	<pre>00b1f943191aaef3e333b1dc5a87d4c7b9e9f5555e5d9b0f201730e24099df9e8e04e4e1003c4e9e33276477a0cc584fb4d607 6b8e6f47f9b8529a9b2b3e3f303ee890532388c07bc85603a291629663d28c05e5c79a12a397e717091f5d309b0b027a13c4738b46 7e8e92461aaba217725b960db1868b3ee3a09eca0ab36f25e9d9a0e73b363263654da334f9716d3cc45a1d001751d0e8e7079781601 a2ae1219a23524c956894baf1b678663c3aefb571a45074b9a3e6b0893a85300753b02a0cc1493a5a47d996994c9ad8d15fa83757 4ca186222f18b3a48b49f3b176296ccdc37ba539277a84478d54e23b0a8f1511aaff691</pre>
Public exponent:	65537
Public key size:	2048
Signature algorithm:	SHA1withRSA
Signature:	<pre>1276af65173ab6c9970ca367aec65deb895fe534fb5fb52c5eef32d29aaa16135e6be2d8da6558dbb78096865cd38573bccd240b 207cd8b9d35604b4f2b6b2a9eb750d7596bb9bd66db395c39654ab8953ef3a423be22967c12711d242dae89167ed9242e6bef c431c24870789b9a3b2837743116245750242cd950dc114678a707894d2b180053a42e09c0b31fa977ebada1c2521361c501 8cc479b869d092781634466197b2616884e5d8cad72b5a00d94e5d4fc3ae10a4f0c32a9384b85138d33a8818ad8a0a827c3 d8afa04048262e6b615a4a673439df035d5ae01c1625a8ee38a7d5b08175cd2439f1946b075671b995c3102e5d5a413a1eba30 6ba73b78e0177be57108a8999952777844ae68850d99b274b8cda8b54049614b2a85597e8d57a0b448d5390a8e939de9eb</pre>

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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Certificate Revocation Lists

Filter by Name

New

Filter

Q

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

# 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

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
848f9a1c-d9ba-4d35-81e6-a051f4602c04	AS4 One-Way Push from BPP Gas 2	a01a7f95-2364-4008-9158-872ae782a7a0@140374010403	Sep 24, 2015, 4:06:57 PM	Success Processing_Success	eBlueprint Gas 2	AS4 One-Way Push Inbound	78ac73ad-df82-4930-a9c2-4e2769877a66	
a92d485-9255-4c25-873a-8b684c001059	AS4 One-Way Push from BPP Gas 2	a9816f59-6855-4a86-a46f-a24851258135@1442805541587	Sep 22, 2015, 5:10:48 PM	Success Processing_Success	eBlueprint Gas 2	AS4 One-Way Push Inbound	5038cee-8245-47f1-a94a-89f305354b2c	
4b6ad01e-8205-43a0-b11e-4369f9080072	AS4 Two-Way Push-Pull for ATO FVSG	b7078222-3121-4a95-b046-20132a187094@144289915570	Sep 22, 2015, 3:16:54 PM	Success Processing_Success	ATO	AS4 Two-Way Push-Pull Outbound	11000025682015-09-22 15:11:41.4504496a091-470-4016-a9a2-2c3206f4e42582741@gate.way.superstream.com.au	
ce1904b5-5987-4b65-bd52-40d888eae010	AS4 Two-Way Push-Pull for ATO FVSG	d9c08365-1a86-4e72-a013-885415537012@144289912101	Sep 22, 2015, 3:16:51 PM	Success Processing_Success	ATO	AS4 Two-Way Push-Pull Outbound	11000025682015-09-22 15:11:41.4504496a091-470-4016-a9a2-2c3206f4e42582741@gate.way.superstream.com.au	[Part1]
49413c16-1745-4957-9871-822ae523bcb82741	AS4 Two-Way Push-Pull for ATO FVSG	b8813b41-896c-4183-8bfb-c076c2495c23@144289708086	Sep 22, 2015, 3:11:48 PM	Success Processing_Success	ATO	AS4 Two-Way Push-Pull Outbound	11000025682015-09-22 15:11:41.4504496a091-470-4016-a9a2-2c3206f4e42582741@gate.way.superstream.com.au	
39475c34-ac63-422e-8b86-6815da05c61	AS4 Two-Way Push-Pull for ATO FVSG	155995a-236f-4014-a030-a69485c1154@1442896534038	Sep 22, 2015, 2:36:33 PM	Error Processing Failed	ATO	AS4 Two-Way Push-Pull Outbound	11000025682015-09-22 14:20:18.384a454488b-2869-49ae-a9a2-2c3206f4e42582741@gate.way.superstream.com.au	

## 1. Real time communication logging



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

## RESPONSE

Status	Event
SUCCESS	PACKAGING
SUCCESS	SIGNATURE_PROCESSING
SUCCESS 	SECURITY_PROCESSING
SUCCESS 	MIME_PACKAGING
SUCCESS	PROCESSING_COMPLETED
SUCCESS	PROCESSING

1 - 6 of 6

## REQUEST

Status	Event
SUCCESS	RECEIVING_REQUEST
SUCCESS 	REQUEST_PROCESSING
SUCCESS	TP_EXCHANGE_PROFILE_LOOKUP
SUCCESS	EBMS_HEADER_PROCESSING
SUCCESS 	DECRYPTION_PROCESSING
SUCCESS 	SIGNATURE_PROCESSING
SUCCESS	SECURITY_PROCESSING
SUCCESS	DECOMPRESSION_PROCESSING
SUCCESS	PERSISTING_DATA
SUCCESS 	PAYLOAD_SEND_FOR_PROCESSING

1. Real time communication logging



2. Steps logging



TRADING PARTNER

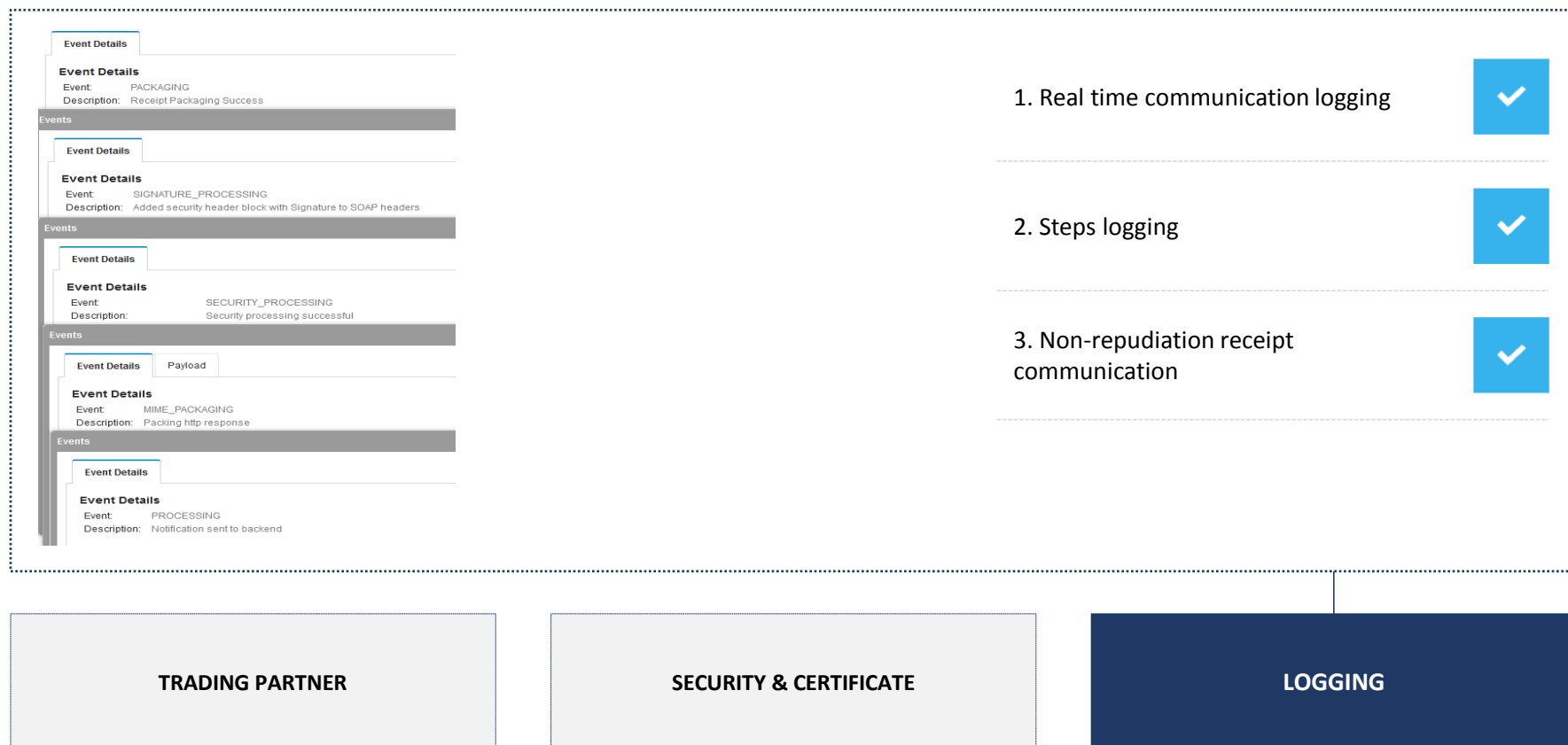
SECURITY & CERTIFICATE

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



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

Event	Time
PACKAGING	Sep 24, 2015, 4:07:00 PM
SIGNATURE_PROCESSING	Sep 24, 2015, 4:07:01 PM
SECURITY_PROCESSING	Sep 24, 2015, 4:07:01 PM
MIME_PACKAGING	Sep 24, 2015, 4:07:01 PM
PROCESSING_COMPLETED	Sep 24, 2015, 4:07:01 PM
PROCESSING	Sep 24, 2015, 4:07:01 PM

Event	Time
RECEIVING_REQUEST	Sep 24, 2015, 4:06:57 PM
REQUEST_PROCESSING	Sep 24, 2015, 4:06:57 PM
TP_EXCHANGE_PROFILE_LOOK UP	Sep 24, 2015, 4:06:57 PM
EBMS_HEADER_PROCESSING	Sep 24, 2015, 4:06:57 PM
DECRYPTION_PROCESSING	Sep 24, 2015, 4:07:00 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



TRADING PARTNER

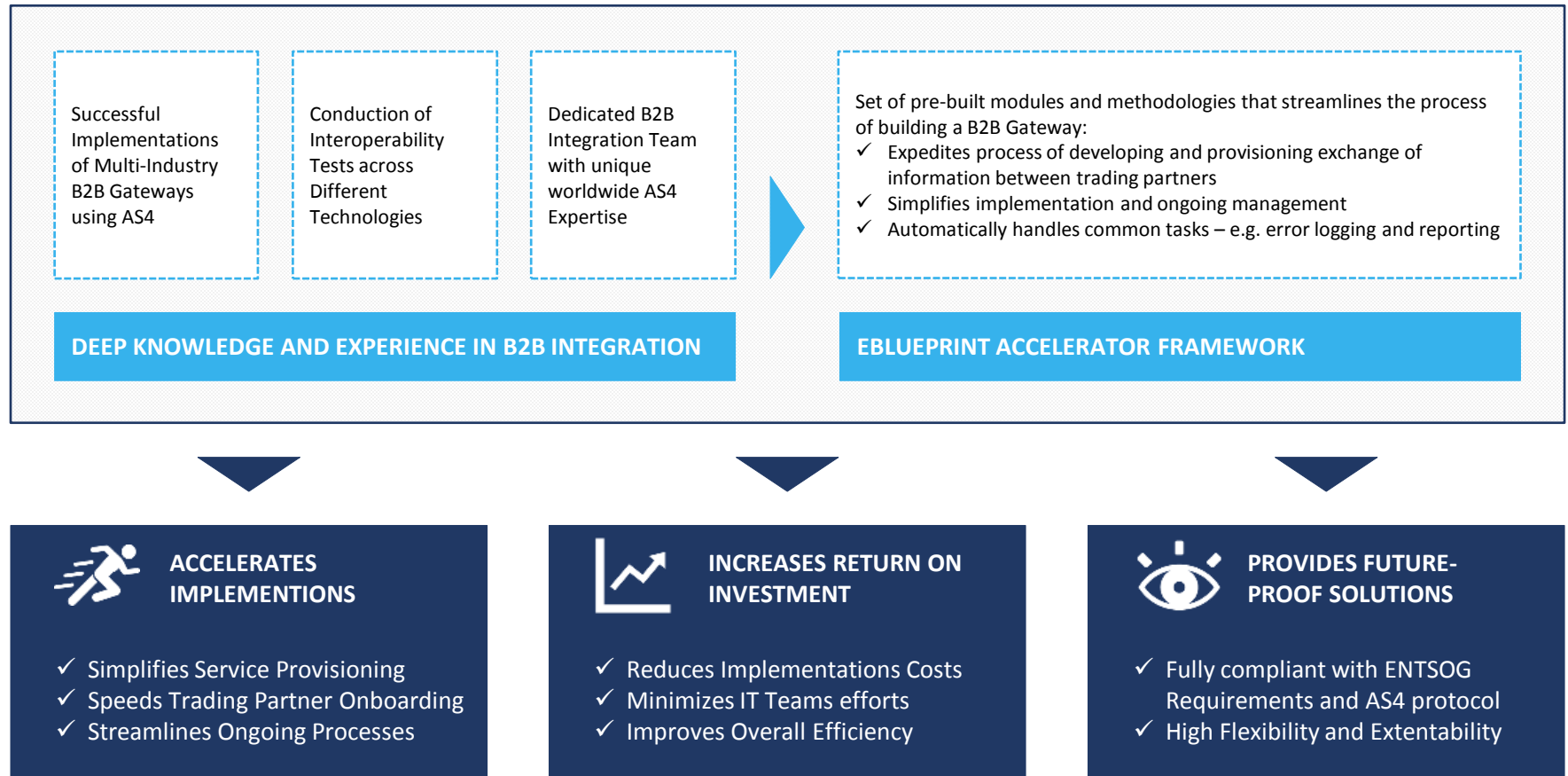
SECURITY & CERTIFICATE

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.



# 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



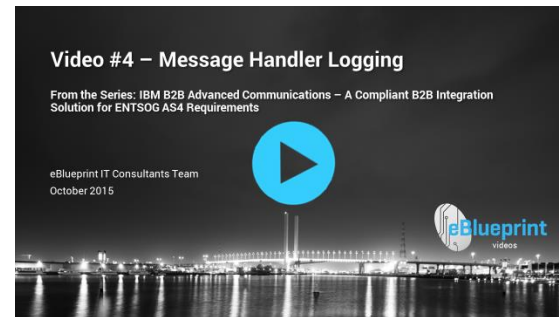
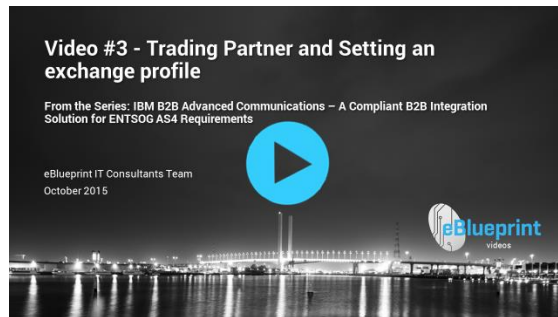
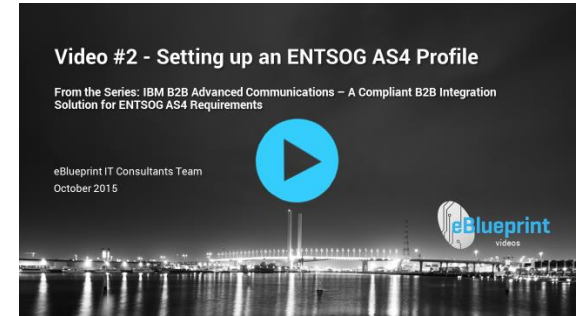
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# Annexes

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# Compliance with ENTSOG AS4 Communication Profile

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




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Click on the image to start video

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# Contacts

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# eBlueprint – Compliance with ENTSOG AS4 Communication Profile

Richard Lynders

eBlueprint Managing Director

October 2015

