

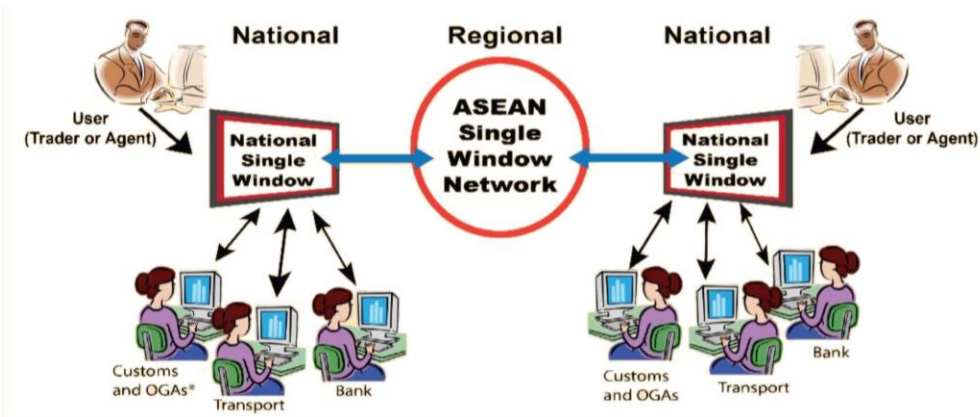
ASEAN SINGLE WINDOW



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WCO Global Forum on Origin Interconnectivity
3-4 FEB 2025 | WCO Headquarters, Brussels, Belgium

ASEAN Single Window



IT
Solution

Business
Process

Data
Format &
Standard

Regional Agreement & Protocol

ASEAN Single Window (ASW)

is an **environment** where National Single Windows (NSW) of ASEAN Member States (AMS) are integrated to enable the electronic exchange of cross-border trade-related documents, aiming to expedite the cross-border clearance.

Regional Collaboration

- In the ASW environment, all AMS operate transactions under the **regional agreements and protocols**;
- and share the same **technical solution & practice** including:
 - IT Solution
 - Business process.
 - Data Format & Standard

Regional Agreements and Protocols

ASW Agreement (2005)

Agreement to Establish and Implement the ASEAN Single Window (9 December 2005)

- The objective of this agreement is **to initiate the objectives and cooperation** on ASEAN Single Window.
- The agreement was signed by the Ministry of Trade on 9 December 2005.

ASW Protocol (2006)

Protocol to Establish and Implement the ASEAN Single Window (20 December 2006)

- The objective of this protocol is **to establish governance bodies** (ASEAN Single Window Steering Committee - ASWSC)
- The agreement was signed by the Ministry of Finance on 20 December 2006.

ASW PLF (2014)

Protocol on the Legal Framework to Implement the ASEAN Single Window (4 September 2014)

- The objective of the legal framework is to **identify the mutual legal requirement** to facilitate the exchange of electronic documents within the ASW environment, which all AMS will later ratify at the domestic level.
- The agreement was signed by the Ministry of Finance on 4 September 2014, and the ratification by all AMS was done on 1 August 2017.

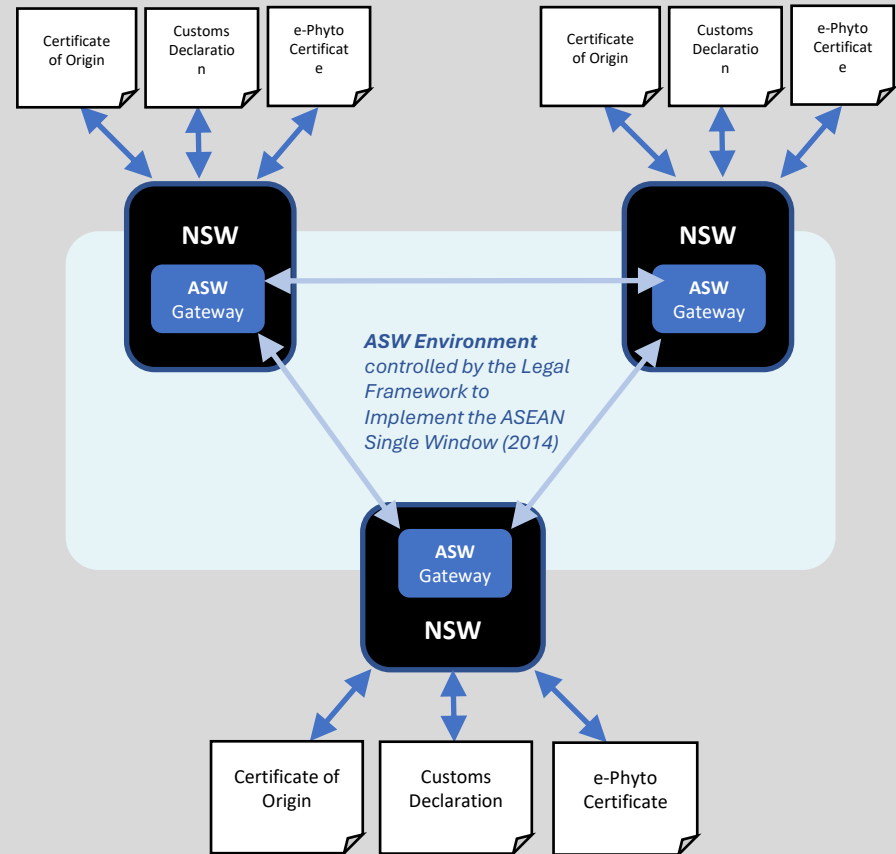
Technical Solution & Practice

IT Solution

- Peer-to-Peer connection
- ebMS (electronic business XML Messaging Service specification) as a standard communication protocol

Business Process

Data Format & Standard



Technical Solution & Practice

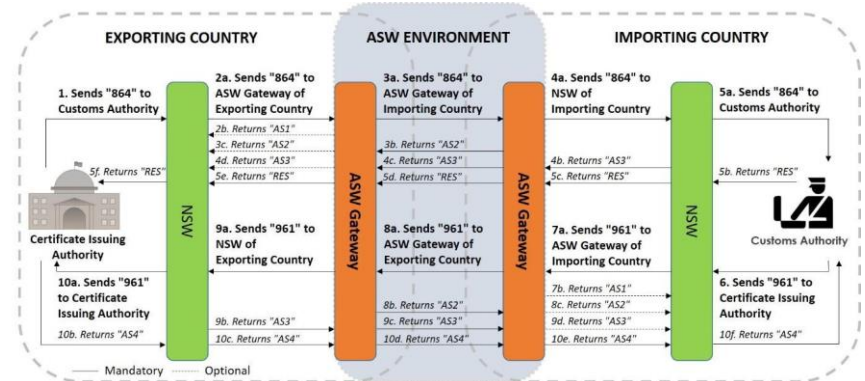
IT Solution

Business Process

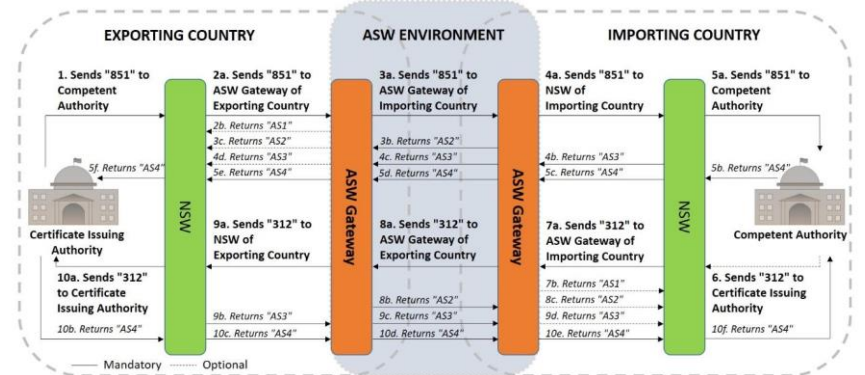
Data Format & Standard

A Business Process Specification (BPS) was created to identify the end-to-end flow on exchanging each electronic document.

BPS of Electronic Certificate of Origin



BPS of e-Phyto Certificate



Technical Solution & Practice

IT Solution

Business Process

Data Format & Standard

- XML data format
- Each electronic document will have a **Message Implementation Guide (MIG)** to identify data structure, format and relevant standard to be applied

ASEAN Trade In Goods Agreement (ATIGA) Form D																				
Seq. XML Tag Name (including level)																				
No.	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Description	Cardinality	Format	Guideline
1		rsm:HeaderDocument																		
2		SenderParty																		
3			IdentificationId																	
4		RecipientParty																		
5			IdentificationId																	
6		Document																		
7			IdentificationId																	
8		SequenceNo																		
9		TypeCode																		
10		SubTypeCode																		
11		FunctionCode																		
12		SubmissionDateTime																		
13		PayloadTypeCode																		
14		ReferenceDocument																		
15			IdentificationId																	
16		TypeCode																		
17		SubTypeCode																		
18		IssueDateTime																		
19		MessageRouting																		
20		SenderId																		
21		RecipientId																		
22		BusinessDocumentId																		
23		BusinessTypeCode																		
24		BusinessSubTypeCode																		
25		SubmissionDateTime																		
26		Payload																		
27		!CDATA																		
28			DocshipBIM																	
29			Sequence																	
30			rsm:HeaderDocument																	
31				Sequence																
32					IdentificationId															

Exchange of ASEAN e-Certificate of Origin via ASW



e-CO Live Exchange

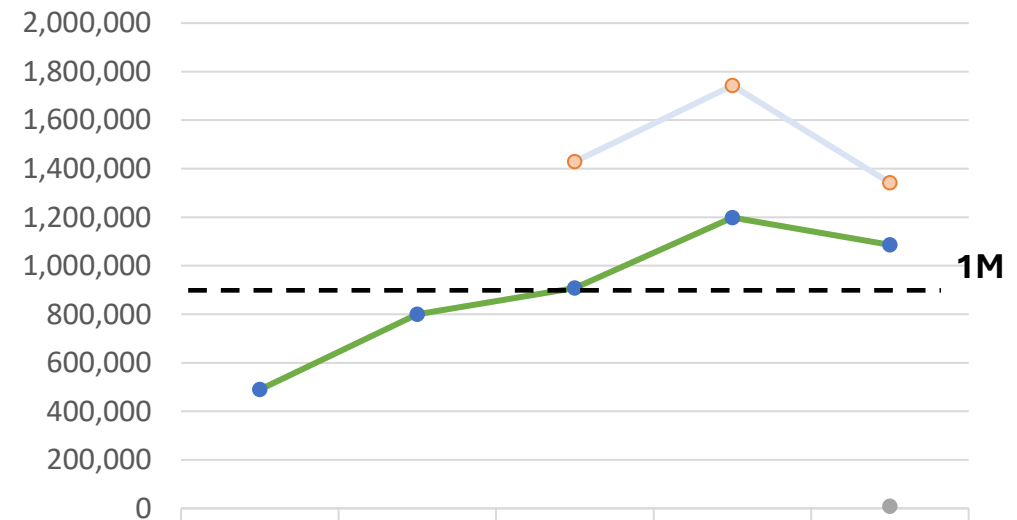
- **January 2018:** First live operation by 5 countries
- **December 2019:** Joined by all countries

Benefit

- Save around **6 days of operation*** by shortening the time for Certification Issuing Authority (CIA) to issue the certificate of origin and eliminating the time to submit the certificate to the Customs of importing country.
- Save up to **\$150*** by and eliminating the **courier cost** to submit the certificate to the Customs of importing country. As the submitting is real-time, it also save the **port storage cost**, which the average dwelling time is 5 days.

* Based on the data provided by Indonesia Authority in 2019

e-Documents exchanged via ASW



	2019	2020	2021	2022	2023
e-CO	489,426	799,408	907,555	1,198,470	1,085,784
ACDD			1,429,404	1,742,744	1,341,477
e-Phyto					9,095

e-CO ACDD e-Phyto

Exchange of ASEAN e-Certificate of Origin via ASW

Since 2022, the number of e-CO submissions in ASEAN has reached more than 1 million.

Compared to hard-copy documents, in 2022 the use of e-Form D could save

6 million business operation days

and

\$150 million operating cost

Recognizing the benefits, starting from **1 January 2024**, ASEAN has fully implemented the 100% e-CO, while the hard-copy will be used only during the system downtime.

Way Forwards of ASW

1

Keep including more documents for Intra-ASEAN



2

Expansion of ASW to exchange with Dialogue Partners

Ongoing discussion with China, Japan, Korea and the U.S.

ASW 2.0

Way Forwards of ASW

What is ASW 2.0

Despite successful exchanges within ASEAN, challenges remain for the ASEAN Single Window (ASW) to interoperate with non-ASEAN platforms due to its current technical design.

The new vision for ASW to be more open, inclusive and run on an interoperability principle that would enable the ease of connectivity and exchange of documents

Policy

Legal

Technical

International Standard

Instead of trying to agree on a single solution, ASW 2.0 aims to introduce a **standardized framework for National Single Windows** among ASEAN Member States, to enable seamless integration with other trade platforms.

Policy

High Impact - Prioritisation of e-documents to be exchanged with ASEAN Dialogue Partners

Legal

Legally enable cross-border paperless trade – Recommendations on **required legal provisions** to enable cross-border paperless trade

Technical

Interoperable globally - Recommendations on **technical standard** to be adopted in the National Single Windows of ASEAN Member State to allow the interoperability with other trade platforms



Thank You

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