



ASX CHESSE Replacement System Access

Pricing

FOR CLEARING AND SETTLEMENT PARTICIPANTS, PRODUCT ISSUER SETTLEMENT PARTICIPANTS (PISPs), SHARE REGISTRIES AND PAYMENT PROVIDERS | September 2021

Background

This paper details system access pricing for clearing and settlement participants, PISPs, and other CHESSE users including payment providers, issuers and their service providers, share registries. This information is being provided to assist all users' investment and budgeting decisions well in advance of the 2023 go-live date.

This paper is consistent with system access pricing previously provided to clearing and settlement participants for CHESSE replacement system access pricing in [March 2019](#) and [September 2019](#).

Scope

This paper provides information about the system access costs to connect to the CHESSE replacement system once the new system is in production. It does not address ASX Net connectivity costs, which will continue to be charged per current arrangements.

Access to the CHESSE replacement customer development (CDE) and industry test environments (ITE) will be made available with no ASX access charges prior to go-live of CHESSE replacement.

Access channels for all CHESSE users (excluding AMOs)

Clearing and settlement participants and all other relevant CHESSE users (excluding AMOs who will access CHESSE via FIX) will have the same access channel options, at the same price.

There are three primary channels for accessing CHESSE replacement, with further detail contained in Table 1.

Table 1

Access channel	Description	Per	Period	Charge (ex GST)	Comment
Messaging (ISO 20022)					
AMQP	Provides access to a set of message queues to send and receive ISO 20022 XML messages.	Per set of message queues	Monthly	\$495	A set consists of Request queue (x1), Notify queue (x1) and an optional Reporting queue (x1). There is no maximum number of UICs per set. The number of sets required to service multiple UICs is determined by the customer.
SWIFTNet	Provides access to SWIFT to send and receive ISO 20022 XML messages.		-	ASX will on-charge all SWIFT (Standard billing) fees and will include an administration fee.	
ASX Distributed Ledger					
Ledger API	Provides access to a ledger API session to stream data and/or interact with <i>the CHES application</i> , for up to 300 UICs ^{Note1} .	Per session	Monthly	\$495	The first ledger API session is waived for 3 years for each participant (clearing and settlement participants, settlement only participants, PISPs and payment providers). Note1: Whilst the maximum is 300 UICs, less may be desirable for use cases that send a high rate of ledger API commands.
Browser					
CHES User Interface	Provides access to a browser based user interface for low volume usage.	Per 10 user logins	Monthly	\$495	

Glossary

- **AMQP** - Advanced Message Queuing Protocol (AMQP) v1.0 is an open and International Standard (ISO/IEC 19464) for passing business messages between applications or organisations. It is analogous in function to the existing CHESSE messaging protocol (Section 10/11 of EIS). AMQP 1.0 is supported by various open source projects and vendors.
- **CHESSE User Interface** – a secure browser option to access the core clearing and settlement services of the CHESSE replacement application is effectively a replacement for the CHESSE PC desktop application currently used by typically smaller, low transaction value and volume users. Noting it cannot be used as a message gateway and is for manual user interaction only.
- **DAML** – the Digital Asset Modelling Language is an open-source smart contract programming language for building ledger and database agnostic secure distributed applications on a safe, privacy aware runtime.
- **Permissioned Distributed Ledger** – a secure database architecture that facilitates permissioned interaction with a shared view of business processes and data.
- **ASX Distributed Ledger** – a Permissioned Distributed Ledger provided by ASX which uses DAML.
- **Ledger API** is an application programming interface which allows authorised users to access the distributed ledger to submit DAML commands, stream data and access utility services.
- **UICs** – The User Identification Code (UIC) uniquely identifies a CHESSE user. The codes are allocated by ASX Clearing and Settlement Operations and carry forward from existing CHESSE.
- **SWIFTNet** – SWIFTNet is a general purpose, industry-standard solution for the financial industry. SWIFTNet provides an application-independent, single window interface to all the connected applications of all the institutions participating in the global financial community.

Further enquiries:

CHESSE replacement

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