



APA Automatic Nomination System

FTPS Access Request

For Gas Transmission Customers

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1 Document Control

1.1 Review & Distribution List

Version	Review Date	Reviewed by	Title	Action

1.2 Revision History

Version	Review Date	Author	Reviewed by	Summary of change	Status
0.1		Steve Nield		Initial	
0.2		Steve Nield		Updated after Build Pack finalised.	Draft
0.3		Steve Nield		Updated with more FTPS detail	Published
0.4		Steve Nield		Updated with QLD STTM Market Trial URL	Published
0.5		Steve Nield		Updated Production URL. Updated information re IP Address requirements	
0.6		Steve Nield		APA IP Addresses added	Published
0.7		Peter Ford		Remove references to Training environment (no longer supported for external access)	Published

1.3 Related Documents

Document	Source Organisation

2 Definitions

Term	Definition
Agent	An entity nominating on behalf of a Shipper
APA	Meaning APA and its relevant legal entities.
Company	A legal entity consisting of one or more Customers
Customer	A legal entity within a Company with whom APA have contracts for haulage and also in some cases for storage of gas within APA owned or operated facilities.
EC	Energy Components. A hydrocarbon accounting (HCA) software suite for production management in oil and gas.
Participant	A Company consisting of one or more Customers, or an Agent
Shipper	Please see Company.
Market Time	The time used by Australian FRC Markets i.e. UTC +10.

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3 Introduction

Access to the APA FTPS Site for Gas Transmission Customers is granted to registered participants for submitting and downloading files.

3.1 Target Audience

This document has been written for the technical support personnel working at Gas Transmission Customers sites.

The document defines the configuration of FTPS services at APA and the process for gaining access to Participant specific areas of the APA FTPS Site for downloads and uploads.

With the information contained in this document Participants should be able to develop scripts and application based automated download systems that interface directly to the APA Automated Nomination System.

Participants should be aware that any applications developed by Participants or third party organisations that make use of the APA Automated Nomination System will not be supported by APA

3.2 Assumptions

It is assumed that the technical support personnel making use of the APA FTPS services will have a working knowledge of FTPS processes, network systems and the APA Automated Nomination System.

Please note FTPS should not be confused with SFTP. SFTP is not supported.



4 Details

4.1 APA FTPS Build Pack For Gas Transmission Customers

These instructions should be read in conjunction with the “APA FTPS Build Pack For Gas Transmission Customers”.

4.2 Source of Connection

APA will only allow connections from the IP address (or agreed range) registered by the participant

4.3 FTP Sites

The APA Production FTPS Site name is: www.apagrid.com.au (202.58.226.90)

The APA UAT FTPS Site name is: uat.apagrid.com.au (202.58.226.80)

4.4 FTPS Site Logon

Each Participant will have an approved Application User-id for the APA FTPS site.

4.5 Protocol

File Transfer must be conducted using FTPS, that is File Transfer Protocol (FTP) that adds support for the Transport Layer Security (TLS) and the Secure Sockets Layer (SSL) cryptographic protocols. This is commonly known as FTPS.

Explicit Mode FTPS will be required, utilising Passive Mode file transfer.

Explicit FTPS allows the client and server to negotiate security settings. APA Group will require all authentication and data transfer to occur utilising the TLS/SSL encryption mechanism.

4.6 Firewall

All connections from external parties must originate from a known external IP address registered to that external party. Discrete firewall objects will be established by APA and maintained for each external party within the APA firewall/s which identify the external party and limit the file transfer access from these known addresses only.

Direct file transfer to internal APA systems will not be permitted. APA will provide a secure file transfer architecture via an appropriate gateway and will host the FTPS service in a secure DMZ network only.

Explicit FTP will utilise TCP Port 21 for initial connection and establishment of the secure transport layer for authentication.

Data transfer, such as directory listing, file upload download will be conducted via passive mode.

Passive mode FTP will be established in the port range TCP 5000-5100 inclusive. External parties firewall’s must be configured to allow outgoing connections to these ports.

Service	Source Address	Destination Address	Protocol	Port/s
Explicit FTPS	External Party Firewall IP Address	APA FTPS Server IP Address	TCP	21, 5000-5100



4.7 Authentication

FTP authentication will be based on the APA Group internal Active Directory domain.

Password expiry, complexity and lockout settings will be consistent with APA domain policy. External parties will be responsible for password management and security.

APA Group will provide a "Password Change" facility.

4.8 Encryption

Explicit FTPS will be required utilising TLS (Transport Layer Security) and Secure Sockets Layer (SSL) cryptographic protocols to provide the file transfer mechanism.

APA Group will publish a public SSL certificate verified by a valid Root Domain certificate authority to support the FTPS connections with external parties.

128 Bit SSL Encryption will be required as a minimum.

4.9 User Isolation

The file transfer mechanism will provide for complete isolation of external party information, based on the authentication credentials. It will not be possible for external parties to navigate to and/or modify the path in such a way that other parties' directories or data can be visible.

4.10 Participant Folder Access

Participants will have a set of folders specific to each Application User-Id provided.

The root of the folder structure will be named with the participant's FTPS Application User-Id (specified by APA).

A participant may request more than one FTPS Application User-Id if they wish to ring-fence nomination responsibility within their company. The details will be determined by discussion with the APA EC administrators.

4.11 Folder Security

A participant has full access to their *in* and *out* folders and read-only access to their *archive* folder.

Files will be picked up and removed from the *In* folder by the APA middleware.

Files will be deposited in the *Out* folder by the APA middleware. It is the responsibility of the participant to remove files that have been picked up from the *Out* folder.

Inbound and outbound files will be archived in the *archive* folder structure and will stay there unchanged.



5 FTPS Participant Access Request Form

Participant Details	
Participant Name:	
Participant AANS Coordinator Name:	
Job Title	
Work Phone Number	
Mobile Number	
Email Address	
Participant Business Hours Technical Contact Name	
Job Title	
Work Phone Number	
Mobile Number	
Email Address	
Participant 24x7 Technical Contact Name	
Job Title	
Work Phone Number	
Mobile Number	
Email Address	
Participant Email address for APA to distribute AANS Notices to: (this must be a distribution list, not an individual's email address) (notices can include advice of APA AANS system outages)	
Participant FTPS Source IP Address (This will be used by APA Firewall rules to limit access to the APA FTPS system It needs to be the external IP Address APA's firewall will see when the FTPS connection is attempted from your firewall. Please supply your normal production IP Address and a standby or DR address if available)	
All Companies that the Participant wishes this specific Application user-id to be able to make nominations for. (Please list all) (APAGrid support staff will contact the Participant AANS Coordinator to clarify any issues and confirm this list)	
	Company Name
1	
2	
3	
Participant AANS Coordinator Signature	



	APAGrid Support	
	Participant Application User-Id (Production) (This is the FTPS Application user-id allocated in APA systems for this request to the AANS)	
	APAGrid Support Name	
	Job Title	
	Work Phone Number	
	Mobile Number	
	Email Address	
	APAGrid Support Signature	
	Date Issued	