



## Secure e-mail communication with Alphabet

Mandatory TLS is one of several approved methods used for encrypting email transport to and received from external parties. All information classified as confidential or higher must be encrypted by an end to end encryption when sent outside the network via email.

TLS (= Transport Layer Security) creates a secure, private connection between our mail server and your mail server. Emails between us and you are then transmitted over an encrypted TLS tunnel. The solution protects the connection against eavesdropping and ensures that the email is delivered to the correct destination only.

We prefer setting up TLS connections as mandatory TLS. With mandatory TLS, the system is configured in a way that emails between you and us can **only** be sent via TLS. This is valid for incoming and outgoing emails. If the TLS connection cannot be established, the emails are rejected.

### Requirements

TLS must be functioning and properly configured on **all** mail servers that send and receive email for your domains, including any outsourced or external system sending auto-generated or other types of mass mailings on behalf of these domains.

### The TLS configuration must meet the following requirements:

- Use of a X.509v3 digital certificate signed by an official CA with known good reputation. Self-signed certificates cannot be accepted. If self-signed, please initiate purchasing and installation of an appropriate certificate.
- Certificate Key Size must be 2048 or higher
- All mail gateways listed as the domains MX records must support STARTTLS and provide a certificate from an official CA in good standing.
- If you are using a provider, it must be ensured that mails cannot be sent over unencrypted channels from the provider servers to the final MTA on your site. As the requester, you are responsible for making an appropriate agreement with your provider before sending in this form to us

**Important Note: Servers must be running TLS with an approved certificate of appropriate key size before this request is submitted. Otherwise, the request may be delayed or cancelled until properly configured systems are ready for testing.**

### Our completing the Request Form

#### Instructions

Section one: 3<sup>rd</sup> party information

Section one of this document needs to be completed by a technical resource in your organization, providing technical information necessary to set up Mandatory TLS email encryption security. This includes information on the X.509v3 digital certificates, the Certification Authority that issues the digital server certificates and the strength of encryption supported. A list of all email domains that will utilize Mandatory TLS is required along with information on the server setup. In addition, technical contact information for both - implementation and ongoing support - is required.

Section two: information on our side TLS SETUP

Section two of this document provides technical details of our TLS setup, including email domains, certificates and contact information for technical resources. This information will be required by your technical resources when implementing TLS.

**Please return the completed form to your personal contact at Alphabet.**

# Section one: 3<sup>rd</sup> party information

## Business and contact information

Business name: \_\_\_\_\_

Address: \_\_\_\_\_

### IT Customer Relationship Manager

Contact Name: \_\_\_\_\_

Email Address: \_\_\_\_\_

Phone Number: \_\_\_\_\_

Contact Location: \_\_\_\_\_

Time Zone (GMT): \_\_\_\_\_

### Deployment: Who should be contacted regarding deployment within the 3rd party?

Contact Name: \_\_\_\_\_

Email Address: \_\_\_\_\_

Phone Number: \_\_\_\_\_

Contact Location: \_\_\_\_\_

Time Zone (GMT): \_\_\_\_\_

### Ongoing Support: Who should be contacted in the event of TLS failure?

Contact Name: \_\_\_\_\_

Email Address: \_\_\_\_\_

Phone Number: \_\_\_\_\_

Contact Location: \_\_\_\_\_

Time Zone (GMT): \_\_\_\_\_

## TLS Connection Format

Mandatory TLS without certificate validation (default)

Mandatory TLS with certificate validation

## 3<sup>rd</sup> party technical details – all fields required

### Certificate Authority (CA)

Name of the public certificate issuer: \_\_\_\_\_

### Is this CA an approved CA issuer?

Only certificate from an official CA in good standing: \_\_\_\_\_

### Certificate Key Size

Must be 2048 or higher: \_\_\_\_\_

### Domain Names

Identify the email domain(s) for which TLS will be enforced

bi-directionally. List all domains or attach a file with the list:

EXAMPLE: yourdomain.com    NOTE: Sub-domains are automatically included and inherit the TLS settings of the top-level domain

### Email Server Hostname

Identify the external DNS name of your TLS-enabled MTA for each domain. This could be your current MX entry, mail host,

IP or a static routed host specific to TLS email delivery.

EXAMPLE: tls.yourdomain.com    INFO: you can also append a txt-file to the request.

### TLS Static Route or Standard MX delivery?

Indicate if TLS will be established for all mail sent and received to the current MX host or to a specific TLS route.

(standard MX delivery preferred)

### Mail Host Software

Identify the software and version running on the MTA. \_\_\_\_\_

### Cipher List

List the ciphers supported by your email servers

(Only state-of-the-art ciphers will be supported)



## Section two: information on our TLS Setup

### Business and contact information

#### IT Customer Relationship Manager

Contact Name: BMW Mail Team

Email Address: BGM\_BMW@list.bmw.com

Phone Number: +49 89 382 61168

Contact Location: Munich

Time Zone (GMT): GMT+1

#### Deployment: Who should be contacted regarding deployment within the 3rd party?

Contact Name: BGM Security Team

Email Address: BGM.Security@bmwgroup.com

Phone Number:

Contact Location: Munich

Time Zone (GMT): GMT+1

#### Ongoing Support: Who should be contacted in the event of TLS failure?

Contact Name: User Service Center

Email Address: Asz.hotline@bmw.de

Phone Number: +49-89-382-55555

Description: "Email Mandatory TLS"

Contact Location: Munich

Time Zone (GMT): GMT+1

### BMW technical details

Certificate Authority (CA) VeriSign, Inc. / thawte, Inc.

Certificate Key Size 2048

Domain Names  
Top 20 used BMW Domains on the right side if needed all other 650 Mail Domains can be ordered via Mail to bgm.security@bmwgroup.com

bmw.de  
partner.bmw.de  
bmwgroup.com  
bmw.com  
bmw.co.za  
bmw.it  
alphabet.com  
bmwmcext.com  
bmw.co.jp  
bmw.co.uk  
bmwmc.com  
bmwna.com  
bmw.fr  
bmwfinance.co.za  
partner.bmw.co.za  
rolls-roycemotorcars.com  
bmw.in  
bmw.es  
alphabet.co.uk  
bmwfs.com

Email Server Hostname  
mx1.bmw.c3s2.iphmx.com  
mx2.bmw.c3s2.iphmx.com  
IPV6, fallback to IPV4

TLS Static Route or Standard MX delivery? Standard MX Delivery

Mail Host Software CISCO Email Security Appliance (Ironport)