eControl *mobile*
Integration concept

Windows software deployment **a**

Tablet running Windows 8.1 or higher
+ Encryption (customer)
+ Anti-virus protection (customer)

GPS Camera

eControl *mobile*

One device - separated user accounts **b**

Offline operation **c**

VPN
(customer)

e

XML–Data transfer
Transaction security

d

SSL certificate optional
(customer)

Mobile network
3G/LTE

WiFi

Firewall (customer)

DMZ

eControl Webservice
(Windows 2008 Server or higher)

SQL-NET

DB Authentification

Files

Windows SMB

Windows domain
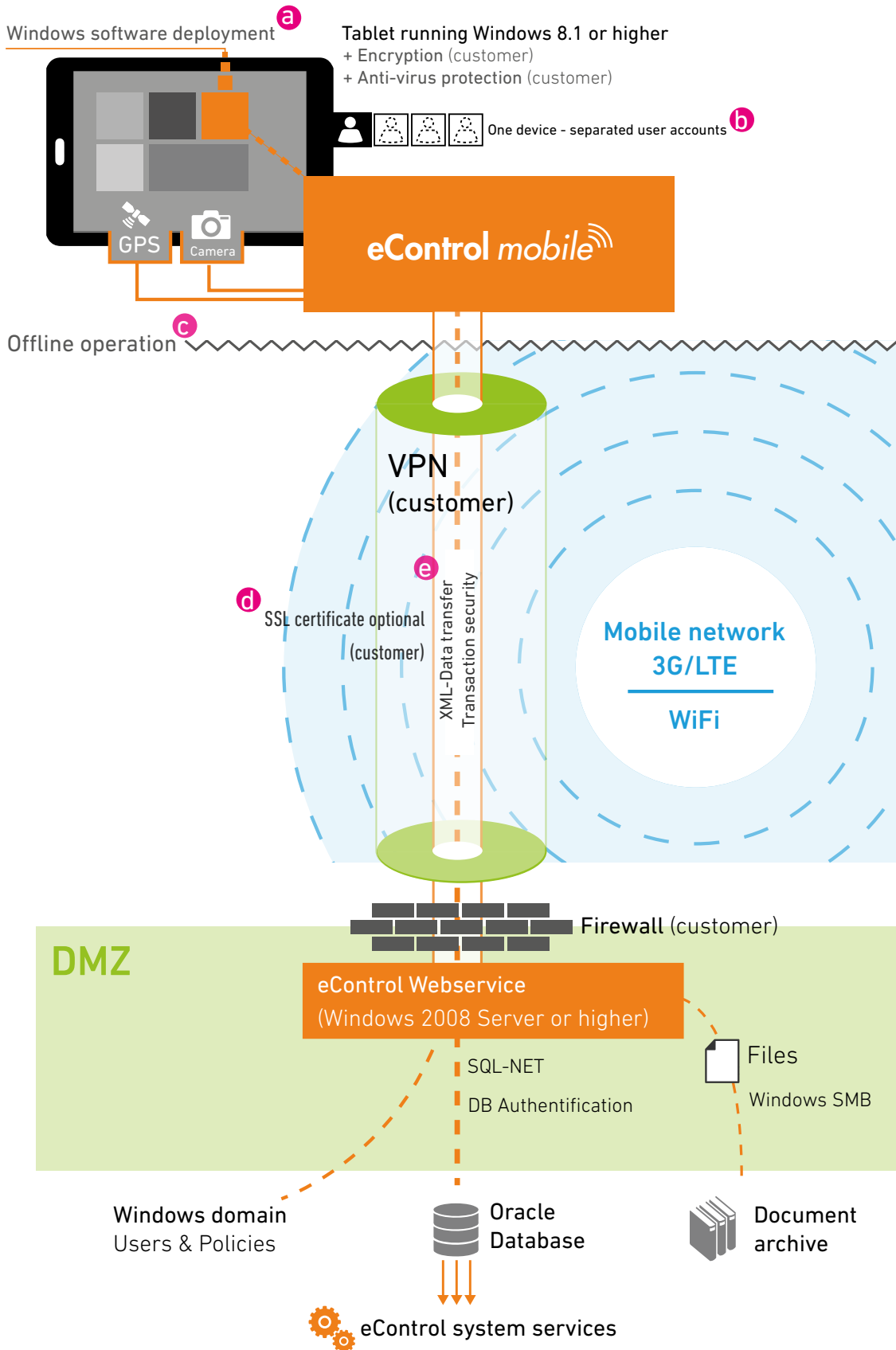Users & Policies

Oracle
Database

Document
archive

eControl system services

Technology standards of the eControl mobile integration concept

The eControl mobile integration concept is based exclusively on recognised technology standards. The use of these technology standards minimises the need for customers to implement and validate Windows-based system environments.

In addition to a simple rollout, the amount of maintenance required by the support team is minimised. No application-specific training is required for the maintenance of eControl mobile in the system.

The integration concept is generally also applicable for the operating variant eControl Cloud. The firewall and the downstream server components (web service, database, system services) are operated in the eControl Cloud variant in an isolated and dedicated server cluster in one of the largest data centres in Germany.

ⓐ Deployment

eControl supports a mobile standard software distribution via software packages signed by the manufacturer, thus facilitating software provisioning and updating.

ⓑ User accounts

Image, XML and other files are securely stored on the mobile terminal in the Windows user profile. This requires a personalised log-in to the Windows operating system of the mobile device, precluding the setting up of collective accounts.

ⓒ Mobility

eControl mobile can be used both online and offline. Different transfer technologies (WiFi, mobile communications with or without VPN) can be used to transfer data to the eControl web service.

ⓓ Safety

The system provides for an optional protection of the web service by means of SSL encryption (HTTPS), the certificates for which are supplied by the customer.

ⓔ XML data stream

The use of standard protocols simplifies the firewall configuration and prevents operational problems.