Flows added: Enrollment

Create contract cert

Version: 0.2.8 Date Revised: 2020-10-19

Enable/disable (Toggle BCCM) Ford Motor Company Confidential Payment auth and CDR billing Notifications Master reset Last user removal Assumptions Foundational • Customer already has a FP account and **Services (23929)** PnC Enabled/Disabled notification charging subscription. • Charging notifications, charge session info, etc. Revoke payload alert (last user removal) Pay/Error/etc. notifications Store CDR PnC Enabled/Disabled notification Translate Ford GUID / EMAID • Pay/Error/etc. notifications FordPass Web / App • Toggle PnC on vehicle (trigger cert install if not already) • Display toggle in mobile app Subscribe to PnC • Last user removal alert Request EMAID Send revoked certificates serial# PnC Contract PnC Enrollment (to display toggle in mobile app) Certificate Request <u>Legend</u> Last user removal alert Paak FI/CVPODS CVFMA (23399) IVSS (18399) Ford System Last user removal alert (23650) Enroll/Unenroll PnC (tied to CMS charging PnC Contract • PnC Enrolled/Unenrolled subscription and wallet) Subscription • Start Charge - Payment Auth Third Party System **EV-Specific** Certificate Response Master Reset request Request (Ford GUID) (secure payload) **Services Platform** Services (EVSS) • Last user removal alert Track Usage / Bill Customer Last user removal New Ford System/ (23730)for Event response (revoke (50292)Microservice Master Reset request payload) PnC Secure Payload Deliver secure payload Start Charge Request (EMAID) **Needs Confirmation** Send revoked certificates serial# PnC vehicle enrollment (contract cert, etc.) Response • Send Charge Data Record for billing to OCSP server Master Reset request Toggle PnC (BCCM) • Toggle PnC Response **New Requirement** Signal Change) Charge Revoke Payload • Revoke Payload Response Management System (CMS) (50485) VSDN / TMC VPOI (23942) HMI Notifications (Error/etc.) Start Charge Request (EMAID) Send Charge Data Record for billing HMI Notification at Plug-in Charge Point Management System (CPMS) Start Charge Request (EMAID) Charge Point / EVSE Send Contract Cert for validation Send Leaf Cert for validation Vehicle • Feature turn on Charge OBCC SyncP Cert • Deliver secure payload (contract cert, etc.) Toggle PnC HMI Notifications (Pay/Error/etc.) Revoke Payload ECG/TCU BCCM OBCC • PnC vehicle enrollment

OBCC response with payload

• Feature Toggle Acknowledge

Toggle PnC Response

 Master Reset request Revoke Payload Response

• Charging notifications, charge Session Info, etc.