1_Architectuur+en+technische+specificaties.doc

Complete Architecture of the MedMij Framework

	Roles	Functions	Data
Legal	PKIoverheid TSP DigiD MedMij Foundation Individual Individual's SP Care Provider Care Provider's SP		
Processes and information	MedMij Management Care User Publisher Source Reader	Request file UC Compile UC Share Request CPL UC Request OCL UC Request DSNL UC	Data Service Disclosure Consent OAuth Client List File Address List DSNL Whitelist
Application	MedMij Registration PGO Presenter PHE User Agent PHE Server Authorisation Server Resource Server	UCI Compile UCI Share UCI Request CPL UCI Request OCL UCI Request DSNL	Information Standard TV implementation OCL implementation File implementation CPL implementation DSNL implementation
Authorisation	OAuth User Agent OAuth Res. Owner OAuth Client OAuth OAuth Server OAuth Res. Server	UCI Author. User	OAuth scope
Authentication	SAML identity Prov. SAML User Agent SAML Serv. Prov.	UCI Authent. User	
Network	PKIoverheid TSP MedMij System Node PHE Node Internet CP Node	Server Authorisation PKIoverheid registration MedMij transport Server Authentication Encryption Request White List UCI	PKI certificate WHL implementation

3_1_UC+Verzamelen.doc

UC Compile (overview)			
Care User	Publisher	Source	
Select care provider and info Log in Authorise Further choice	Present Compile Request health information Save in file	Receive request Request credentials Establish identity Request authorisation Establish authorisation Log permission Retrieve health information Provide health information	Earliest moment cover for availability Latest moment to cover for availability

3_2_UC+Delen.doc

UC Share (overview)			
Care User	Publisher	Source	
Select care provider and info Log in confirm Further choice	Present Share Offer health information Record in file	Receive request Request credentials Establish identity Request confirmation Determine confirmation Log confirmation Place health info Report back	Earliest moment cover for availability Latest moment to cover for availability

3_3_UC+Opvragen+ZAL.doc

Request CPL UC	
Publisher	MedMij Management
Request CPL Process CPL	Send CPL

3_4_UC+Opvragen+OCL.doc

Request OCL UC	
Source Reader	MedMij Management
Request OCL Process OCL	Send OCL

3_5_UC+Opvragen+GNL.doc

Request DSNL UC		
Publisher	Source Reader	MedMij Management
Request DSNL		Send DSNL

Process DSNL	

4_1_UCI+Verzamelen.doc

UCI Compile (overview)						
Care User OAuth Res. Owner	Care User PHE Presenter	PHE User Agent OAuth User Agent SAML User Agent	PHE Server OAuth Client	(OAuth) Auth. Server (OAuth) Res. Server SAML Serv. Prov.	DigiD SAML Auth. Prov.	
Select care provider and info Log in Authorise Further choice	Present Compile Request Compile Present Request credentials Pass credentials Present authorisation request Pass authorisation Offer choice Offer further choice	SAML redirect of Service Prov. SAML redirect of Digid OAuth redirect of Auth. Server	Start Compile Request access token Perform FHIR request Save in file	Create session Compile SAML redirect to DigiD Present SAML artefact Receive BSN Request authorisation Log as permission Generate authorisation code Validate authorisation code Generate access token Distribute access token Validate access token Retrieve health information Perform FHIR response	Request credentials Validate credentials Redirect to Service Provider Validate SAML artefact Issue BSN	Earliest moment cover for availability Latest moment to cover for availability

4_2_UCI+Delen.doc

UCI Share (overview)						

Care User OAuth Res. Owner	Care User PHE Presenter	PHE User Agent OAuth User Agent SAML User Agent	PHE Server OAuth Client	(OAuth) Auth. Server (OAuth) Res. Server SAML Serv. Prov.	DigiD SAML Auth. Prov.	
Select care provider and info Log in Confirm Further choice	Present Share Request Share Present Request credentials Pass credentials Present authorisation request Pass confirmation Offer choice Offer further choice	SAML redirect of Service Prov. SAML redirect of Digid OAuth redirect of Auth. Server	Start Share Request access token Perform FHIR create Record in file	Create session Share SAML redirect to DigiD Present SAML artefact Receive BSN Request confirmation Log confirmation Generate authorisation code Validate authorisation code Generate access token Distribute access token Validate access token Place health info Perform FHIR response	Request credentials Validate credentials Redirect to Service Provider Validate SAML artefact Issue BSN	Earliest moment cover for availability Latest moment to cover for availability

4_5_UCI+Opvragen+ZAL.doc

UCI Request CPL	
PHE Server	MedMij Registration
Request CPL Process CPL	Send CPL

4_6_UCI+Opvragen+OCL.doc

UCI Request OCL	
Authorisation Server	MedMij Registration
Request OCL Process OCL	Send OCL

4_7_UCI+Opvragen+GNL.doc

UCI Request DSNL		
PHE Server	Authorisation Server	MedMij Registration
Request DSNL Process DSNL		Send DSNL

5_1_UCI+Opvragen+WHL.doc

UCI Request DSNL		
PHE Node	CP Node	MedMij System Node
Request WHL Process WHL		Send WHL

6_1_Metamodel.doc

Network	Application	Participants
Node + Hostname (id) Hostname MedMijSystemNode Invariant: see text MedMijNetwork Invariant: see text MedMijNode ParticipantNode	OAuthclient + OAuthclientNameorganisation OAuthclientNameorganisation	Participant + Role: Participantrole Serviceproviderindividual Invariant: see text ParticipantInRole Invariant: see text ParticipantInRoleCareproviderDataservice Invariants: see text

Roles	Care Providers
ServiceProviderindividualParticipantsrole Invariant: see text Participantsrole + Depiction name (id): Depiction name Invariant: see text ServiceProvidercareproviderParticipantsrole Invariant: see text ParticipantsroleBusinessrole Invariant: see text SourceBusinessrole Invariant: see text PublisherBusiness Role Invariant: see text ReaderBusinessrole Invariant: see text CareuserBusinessrole Invariant: see text	TokenEndpoint + TokenEndpointpath Endpointpath + TokenEndpointport: Endpointport ResourceEndpoint + ResourceEndpointpath: Endpointpath + ResourceEndpointport: Endpointport Care Provider + CareProviderName (id): Careprovidername AuthorisationEndpoint + AuthorisationEndpointpath: Endpointpath + AuthorisationEndpointport: Endpointport CareproviderDataservice Invariant: see text CareproviderDataserviceSystemrole Invariant: see text

Business Role + Depiction name (id): Depiction name Invariant: see text ParticipantsroleUsecaseBusinessRole Invariant: see text CompileUsecase Invariant: see text ShareUsecase Invariant: see text Business Role Use Case Invariant: see text Usecase Invariant: see text	

Information Standards	Data Services
Information Standard + Informationstandardname Information Standard name + Informationstandardversion Version number System Role + Systemrolecode (id) Systemrolecode + Transaction: Transaction + Organisationalrole Organisational Role + Informationstandard Information Standard Transaction + Transactionname Transactionname CareuserCompanyrole Invariant: see text CareproviderOrganisationalrole Invariant: see text Organisational Role + Depictionname (id): Depiction name Invariant: see text	Systemrolecompilation + Dataservice (id) DataserviceId + Dataservicename Dataservicename + Depictionname Depiction name + Startdate: Date + Enddate: Date[0..1] + Required: Dataservice[0..] + Replaces: Dataservice[0..] RoleInDataservice Invariant: see text

6_2_Logische+modellen.doc

	MedMijManagementlist + Time stamp DateTime + Sequence number Positivenumber	
OAuthclientlist	Whitelist	Data Service Names List
OAuthclients	MedMijNodes	Data Services
OAuthclients	MedMijNodes	Data Services
OAuthclient	MedMijNode	Data Service
OAuthclient	MedMijNode	Dataservice_DSNL
+ Hostname (id) Hostname	+ Hostname (id) Hostname	+ DataserviceId (id)
+	Care Providers List	DataserviceId
OAuthclientOrganisationname:	Care Providers	+ Depictionname Depiction
OAuthclientOrganisationname	Care Providers	name
AuthorisationEndpoint	Care Provider	TokenEndpoint

AuthorisationEndpoint + AuthorisationEndpointuri: Frontchanneluri	Care Provider + CareProviderName (id): Careprovidername Data Services Data Services Data Service Dataservice_CPL + DataserviceId (id) DataserviceId Systemroles Systemroles System Role + Systemrolecode (id) Systemrolecode ResourceEndpoint ResourceEndpoint + ResourceEndpointuri: Backchanneluri	TokenEndpoint + TokenEndpointuri: Backchanneluri

Usecase Usecase + Depictionname (id): Depiction name	Data Service + DataserviceId (id) DataserviceId + Dataservicename: Dataservicename + Depictionname Depiction name + Startdate: Date + Enddate: Date[0..1] Systemrolecompilation Systemrolecompilation System Role System Role + Systemrolecode (id) Systemrolecode	Data Service Required Required

MedMijSystemNode
+ Hostname: Hostname