Certification of Conformance to the following Hub Provider standards for the Verify Sandbox Environment

Organisation Name Mvine Ltd

Category	Detail	Means of Assurance. Additional Details
Functionality	Brokering of identity and attribute requests from test Relying Parties to test Verify Identity Providers and the return of a matching data set and attributes to a Relying Party. The presentation of the Identity Provider selection page to allow a user to select an Identity Provider. Integration to at least 2 Verify Identity Providers and / or the creation of 2 Verify representative Identity Providers that align with the UX of those Identity Providers. The Identity Providers will enable a credential Authentication and the return of the matching data set. Hub Providers must contact all the Verify Identity Providers to offer the ability for them to connect to their test environment. The Identity Providers can provide a list of blacklisted markets that they do not want the hub providers to work with. Only the Verify Identity Providers or representative IDPs can be displayed on the IDP Selection Page.	The Mvine Verify Sandbox Environment is compliant with the UK Verify requirements and is implemented using the Mvine identity management solution that provides the required functionality through appropriate configuration hook ups.
Tech Standards	Compliance to the Verify Hub Guidelines (Document provided on request). For engagement with public sector services provide evidence of compliance with the Verify SAML profile. The evidence could simply be in the form of test cases and results. Exceptions Hub support for the PKI in the Sandbox is optional. Additions Where the Hub Provider offers the OpenID Connect protocol it is best practice to align with the self certification requirements defined by the OpenID Foundation defined via the OIXnet website	The Mvine solution complies with the published Tech Standards, and it follows the SAML2 Protocols for Authentication Requests, and signed responses. The Mvine solution at present time does not support the Gov SAML Profile. This is on the roadmap for Q2 2017.

	Where the Hub Provider offers the International Government Assurance Profile (iGov) reference should be made to the iGov Working Group through the OpenID website	The Mvine solution also offers and connects via OpenID Connect. For security reasons the Mvine identity solution does not at present offer detailed error message processing in response messages.
Security	The Sandbox Environments will use test data and hence the level of security required will depend on the projects being conducted.	The Mvine solution supports the required level of security required by UK Verify. We use HTTPS for both SP and IdP connections and PKI sign all SAML. All SAML requests made to the hub are required to be PKI signed; the messages are PKI checked, and the PKI certificate itself is checked against the CA public key (i.e. checked for a complete certificate chain)
Process	Viable on-boarding process for Identity Providers and Relying Parties that should be self defined and aligned to business need.	The Mvine solution has a viable on-boarding process. As part of this a checklist for both SPs and IdPs that connect to the hub will be provided, each contains: 1. Metadata (either as a file or a URL) 2. CA cert public key (i.e. the crt or pem file of the authority that has signed the PKI certificate that the SP or IdP uses for signing SAML requests/responses)

		3. Attribute list (either required attributes in the case of an SP or provided attributes in the case of an IdP), must include the NameID value definition 4. (optional) a blacklist of parties that the provider will not accept credentials from (in the case of an SP) or a list of consumers that the provider will not pass credentials to (in the case of an IdP)
User Experience Design	Under the current government framework, the GOV.UK Verify logo and identity are owned and managed by the Government, for use in Government only. As Verify expands to include the private sector, Verify design assets will be licenced for use by companies and organisations. The private sector re-use project will explore and design user journeys, and identify some of the associated challenges and solutions for private sector Relying Parties. Hub Providers will be expected to implement against the guidelines, and make Relying Parties aware of them, as they become available.	The Mvine solution understands how the journey licencing works and can support various user journeys to align with Relying Parties. Documentation can be provided to assist Relying Parties and make them aware of the requirements and guidelines as they become available.
Non Functional	Make the Verify Matching Service Adaptor (MSA) available to public sector Relying Parties (when the open source code is made available). Awareness of the existing documentation on matching in the Verify Technical Guide and the OIX White Paper on Data Matching in the Identity Ecosystem. Must be able to operate a PKI if required by partners	The Mvine solution is fully aware of the available documents, and will implement any future requirements regarding the Verify MSA on a "best endeavours" basis. Mvine will provide support for distribution of the Relying Party MSA.
Verify Reporting	Agree to engage with the Verify team in order to understand what level of reporting is appropriate to both protect commercial sensitivities and provide Verify level insight. At a minimum bi-monthly reports	The Mvine solution including providing bi-monthly high level status reports.

	on the high level status of all projects must be completed.	
Communications	Publishing of the Hub Provider service offering and self certification documentation on a listing service	The Mvine solution supports this requirement.
Operations	Operational availability for UK business hours	The Mvine solution supports this requirement.
Principles	Must be aware of the PCAG Identity Assurance principles	The Mvine solution supports this requirement and is aware of the PCAG Identity Assurance principles.

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Date ..... 12 APRIL 2017