| Institution name  |                                      |
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| Deliverable Name  | Technical questions on TIPS-0034-SYS |
| Document sent for | 09/03/2021                           |
| contribution on   | 09/03/2021                           |
| Feedback on       | 16/03/2021                           |

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| NO  | Commented by                  | Page |   |  | Compatibility with Terminal Servers is crucial to us because of the SWIFT secure zone. We   |
| 1   | Oesterreichische Nationalbank | 4    |   | client is not compatible with the Citrix Terminal Server solution.                                 | have asked for compatibility in the TIPS Consultative Group / TSWG joint technical workshop on 3 June 2020 and again in January 2021. Our SWIFT secure zone follows "Architecture A1" with Jump Servers as stated in the "SWIFT Customer Security Controls Framework" (CSCF) using Microsoft Terminal Servers / Remote Desktop Session Hosts (Windows Server 2016). Control 1.1 (SWIFT Environment Protection) explicitly mentions "Citrix-type solution or Microsoft Terminal server" for jump servers.  |
| 2   | Oesterreichische Nationalbank | 3    | ESMIG U2A Qualified Configurations_TIPS_v1_0.docx                   | technology will be decommissioned in favour of a java indepentend solution.                        | Go>Sign Desktop is a Java-based client software. Java Runtime is bundled with Go>Sign Desktop in Version 8.0.152 (released in October 2017). From an IT security point of view this is not acceptable for us. In this respect we kindly request you to provide us with the Pre-Production Security Assessment.  |
| 3   | Oesterreichische Nationalbank |      |   |  | We received the following feedback from several TIPS participants/Reachable parties: - please provide the download link to the necessary software incl. Installation manual - is it necessary to install Ascertia on the local desktop?   |
| 4   | Oesterreichische Nationalbank |      |   |  | We received the following feedback from several TIPS participants: - due to the structure of our secure zone we are not sure if we are able to implement Go>Sign in time  |
| 5   | EECB                          | 4    | CRDM TIPS UHB v3.0 1) §2.1 Overview of the Graphical User interface | of their institutions, i.e. firewalls, allow for installation of the Ascertia package/application. | The permission to install Ascertia's certificate into Trusted sites is probably also a requirement  |
| 6   | EECB                          | 5    | TIPS UHB v3.0 3) §2.3.2 Setup and login process                     | of their institutions, i.e. firewalls, allow for installation of the Ascertia package/application. | The permission to install Ascertia's certificate into Trusted sites is probably also a requirement  |
| 7   | Banque de France              |      |   |  | Since the client Go Sign (version 6.6.0.14) has been installed (we followed your Installation Guide), when we launch the client Go Sign nothing appears or occurs (the icon on the task bar does not appear and the client does not launch).  We tried to check the logs (the debug level has been increased to debug) but nothing appears in the folder containing the logfile. Also in the windows logfile, nothing appears.  We asked Ascertia support to possibly provide us with a tool to follow the installation step by step in order to detect the blockage but without success.  Do you have any solution to this technical blockage?  Previously, for the contingency network and the connection of IBPs, we used version 5.5.19 of Go Sign Desktop. Is there a new parameter related to version 6 that could explain our problem with installing version 6?  Here are our parameters:  OS: Windows 10 Enterprise 64 bits Go Sign version: 6.6.0.14 (64 bits) Java verson: 1.8.0_251  Chrome version: Version 88.0.4324.96 (Build officiel) (32 bits)  Firefox version: 78.6.1esr (32 bits)  We noticed that Go>Sign Desktop listens for JavaScript requests from the web browser on the following port: HTTPS PORT=8782  We checked that the following entry was added to the local 'hosts' file (e.g. C:\Windows\System32\Drivers\etc\hosts): 127.0.0.1 client.go-sign-desktop.com |
| 8   | ABN AMRO Bank (TIPS-CG)       |      | Section 1.2.2 Qualified configurations                              | · · ·  | It doesn't mention Internet Explorer as supported browser with guarantee. Currently, we use Internet Explorer for SIA pulse connect. Could the guaranteed support be extended to Internet Explorer?   |
| 9   | ABN AMRO Bank (TIPS-CG)       |      |   | ,  | Is it required only for test environment? What is the reason we need to disable it temporarily?   |

|          |            |  | Do you have any information on the possibility to use the Ascertia solution with the Microsoft Edge Browser? It is not mentioned in the document.                                  |
|----------|------------|--|--|
|          |            |  | Beside that, we have shared the document with our market and received indication that a number of banks are using a Terminal Server solution.                                      |
|          | Bundesbank |  | This includes Unicredit Bank which is already an active TIPS participant and will not be able to solve the situation until June.   |
|          |            |  | For other banks that would need to implement a virtual desktop solution before being able  |
|          |            |  | to go live in TIPS, this would pose another obstacle for an early onboarding to TIPS.<br>Single institutions would even find it difficult to fulfill this requirement by November. |
|          |            |  | We will collect further feedback until the workshop.   |
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