| **#** | **Time period** | **Task-technology fit** | **Type of performance** | **Magnitude of performance** | **Cause** | **Effect** | **Source** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | Present | Replicating the identity from the physical world in the digital world |  |  |  |  | O1\_API, Pos. 56 |
| 2 | Present | Transferrable digital trust |  |  |  |  | E1\_API, Pos. 60 |
| 3 | Present | Full identity ownership and control of the user with regards to whom it is shared with and what it is used for, i.e., management and disclosure |  |  |  |  | E5\_API, Pos. 62 |
| 4 | Present | Decentralized authentication, i.e., identifying oneself without an intermediary |  |  |  |  | E3\_API, Pos. 64 |
| 5 | Present | Full identity ownership and control of the user with regards to whom it is shared with and what it is used for, i.e., management and disclosure |  |  |  |  | Unnamed Post-It (Priming\_BI) |
| 6 | Present | Full control over personal data and trust relationships of users |  |  |  | Users can more confidently interact, share, and transact online | Unnamed Post-It (Priming\_BI) |
| 7 | Present | Personal control of user |  |  |  |  | Unnamed Post-It (Priming\_BI) |
| 8 | Present | Full control over personal data while being able to interact |  |  |  |  | Unnamed Post-It (Priming\_BI) |
| 9 | Present | Decentralized authentication, i.e., identifying oneself without an intermediary |  |  |  | Is the bulwark of human identity in forthcoming generative AI ecosystem | E8\_API, Pos. 66 |
| 10 | Present | Blockchains are a great source of key material from which  a) DIDs can be created  b) VCs can be signed and managed to enable SSI systems |  |  |  | Enable SSI systems in which the subject of data has the most control – not ultimate control – over its management and disclosure | E6\_API, Pos. 68 |
| 11 | Present | Blockchain can be used where contextual metadata about addresses can be disclosed by the subjects who embody those addresses |  |  | Blockchain allows for data integrity |  | E6\_API, Pos. 68 |
| 12 | Present | Blockchain is losing the plot: Sale of block space for human data is antithetical to SSI as this forfeits consent and is anti-privacy |  |  |  |  | E6\_API, Pos. 68 |
| 13 | Present | Blockchain is a distraction |  |  | There are many verifying DID methods that do not involve blockchain; it is simply about verifying digital signatures | Blockchain ends up confusing the topic vs understanding the value of digital wallets and credentials | E5\_API, Pos. 72 |
| 14 | Present | Blockchain enables privacy |  |  |  |  | Unnamed Post-It (Priming\_BII) |
| 15 | Present | Blockchain is the trust fabric / anchor |  |  |  |  | Unnamed Post-It (Priming\_BII) |
| 16 | Present | Blockchain enables to build trust in a digital world |  |  |  |  | Unnamed Post-It (Priming\_BII) |
| 17 | Present | Blockchain is just one way to anchor a decentralized identity |  |  |  |  | Unnamed Post-It (Priming\_BII) |
| 18 | Present | Blockchain serves as a reliable and auditable data repository: it is a breadcrumb trail from signature / VP to holder to issuer |  |  |  |  | E8\_API, Post-It Priming\_BII |
| 19 | Present |  | Blockchain is one of the level 1 (SSI stack) root of trust |  |  |  | Unnamed Post-It (Priming\_BII) |
| 20 | Present | Can existing standards be leveraged, i.e., what DID method to use, i.e., blockchain vs non-blockchain DID methods |  |  |  |  | E2\_API, Pos. 99 |
| 21 | Present | Healthcare needs a lot of data, including its context and SSI allows for validation of that data |  |  |  |  | E3\_API, Pos. 101 |
| 22 | Present | SSI is useful when direct access to patients is needed, such as for the collection of real-world evidence |  |  |  |  | E3\_API, Pos. 101 |
| 23 | Present | SSI is useful for anything related to patient interaction and input control |  |  |  |  | E7\_API, Pos. 107 |
| 24 | Present | SSI is useful where the ability to verify is needed (not necessarily collect) relevant information |  |  |  |  | E7\_API, Post-IT Designing\_AI |
| 25 | Present | SSI is useful to achieve interoperability across networks |  |  |  |  | E7\_API, Pos. 107 |
| 26 |  |  |  |  |  |  |  |
| 27 | Present | How much time / money / bad UX is spent by the organization / counterparties / customers in proving and verifying authenticity, eligibility, and capabilities? |  |  |  |  | E1\_API, Pos. 109 |
| 27 | Present | How does the organization reach out to its customers in a privacy preserving way? |  |  |  | If the process is not privacy-preserving SSI is a good solution | E1\_API, Pos. 109 |
| 28 | Present | How satisfied is the organization with its digital conversion rate? |  |  |  | If not, SSI might be a good solution | E1\_API, Pos. 109 |
| 29 | Present | SSI is useful if there is the desire to have a more dynamic supply chain |  |  |  |  | E1\_API, Pos. 109 |
| 30 | Present | SSI is helpful for desired authentication and authorization within and with the outside of an organization (e.g., supply chain, patients) |  |  |  | Compare it with the status quo of how currently systems and devices are used and how it is managed to let outside parties (e.g., vendors & manufacturer reps, visitors, consultants) into the organization’s four walls | E8\_API, Pos. 111 |
| 31 | Present | SSI is helpful for desired authentication and authorization within and with the outside of an organization (e.g., supply chain, patients) |  |  |  | Inside the four walls it is not that much of an SSI use case but for outside the four walls | E8\_API, Zoom Chat |
| 32 | Present |  | Non-functional performance: How does key recovery look like? |  |  |  | E6\_API, Pos. 160 |
| 33 | Present |  | Functional performance: Have a minimum viable product |  |  | Organizations are willing to take the next step | E2\_API, Pos. 166 |