File 2: Measurement items

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| Construct | | Measurement items | |
| Perceived availability | PAV1 | In organization affairs, CC providing accessibility "anytime-and-anywhere" is very crucial. | Kim and Garrison (2009); Qiantori et al. (2010); Arpaci (2016) |
| PAV2 | Employee can access to CC anytime for the necessary service. |
| PAV3 | Employee can access to CC anywhere for the necessary service. |
| PAV4 | Overall, employee can use CC "anywhere", "anytime" at the point of need. |
| Perceived reliability | PRE1 | CC service are reliable. | Lee et al. (2011); Sintonen and Immonen (2013); Kim et al. (2015) |
| PRE2 | CC operates reliably without interruption (e.g., shutdown) |
| PRE3 | CC would reduce burden of various hazards (e.g.; fire, flooding). |
| PRE4 | Overall, CC is as reliable as on-premise systems. |
| Perceived security | PSE1 | In CC, data is safeguarded from unauthorized changes or use. | Yousafzai et al. (2009); Goode et al. (2015) |
| PSE2 | In CC, data is protected from those who should not have access to it. |
| PSE3 | CC has proper anti-virus protection |
| PSE4 | Overall, cloud computing is as secure as on-premise systems. |
| Perceived maintainability | PMA1 | CC would reduce burden of hardware maintenance. | developed by researcher |
| PMA2 | CC would reduce burden of software maintenance. |
| PMA3 | CC would reduce operational burden of IS/IT resources. |
| PMA4 | Overall, cloud computing is as easy to maintain as on-premise systems. |
| Perceived usefulness | PUF1 | Using CC in organization affairs would enable employee to accomplish tasks more quickly. | Davis (1989, 1996); Venkatesh and Bala (2008); Hsu and Lin (2016); Park and Kim (2014) |
| PUF2 | Using CC would improve employees’ job performance. |
| PUF3 | Using CC in my job would increase employees’ productivity. |
| PUF4 | Using CC would enhance employees’ effectiveness on the job. |
| PUF5 | Using CC would make it easier to do employees’ job. |
| PUF6 | I would find CC useful in employees’ job. |
| Perceived ease of use | PUE1 | Learning to operate CC would be easy for employee. |
| PUE2 | I would find it easy to get CC to do what employee want it to do. |
| PUE3 | Interaction with CC would be clear and understandable. |
| PUE4 | It would be easy for employee to become skillful at using CC. |
| PUE5 | I would find CC easy to use. |
| Behavioral intention | BI1 | My organization plans to use CC in the future. |
| BI2 | My organization intends to use CC as much as possible. |
| BI3 | It is worth using CC in my organization. |
| BI4 | My organization will continue to use CC if we have access to the services. |

*Notes*.CC: cloud computing; PAV: perceived availability; PRE: perceived reliability; PSE: perceived security; PMA: perceived maintainability; PUF: perceived usefulness; PEU: perceived ease of use; BI: behavioral intention.