

Table 1: Traditional versus ICT Methods of Traceability Documentation

Operations Necessary for Implementation of Traceability System	Technologies Already Used	ICT Technologies Applied Recently
Identification of food	Stamping with ink	<ul style="list-style-type: none">• Printing technology (inkjet printing, affixing printed labels)•
Data input	Handwritten or manual input	<ul style="list-style-type: none">• Auto identification technology such as bar codes, two-dimensional bar codes (quick response [QR] codes), or the experimental radio frequency identification (RFID)• Global positioning system (GPS)• Hand-held sensors to scan and record data
Data transfer	Fax	<ul style="list-style-type: none">• Disclosing information to customers through websites• Exchanging data electronically among food business operators
Verification	Onsite visual inspection	<ul style="list-style-type: none">• Software that automatically calculates and compares total volumes received and released• Examination technology such as DNA examination