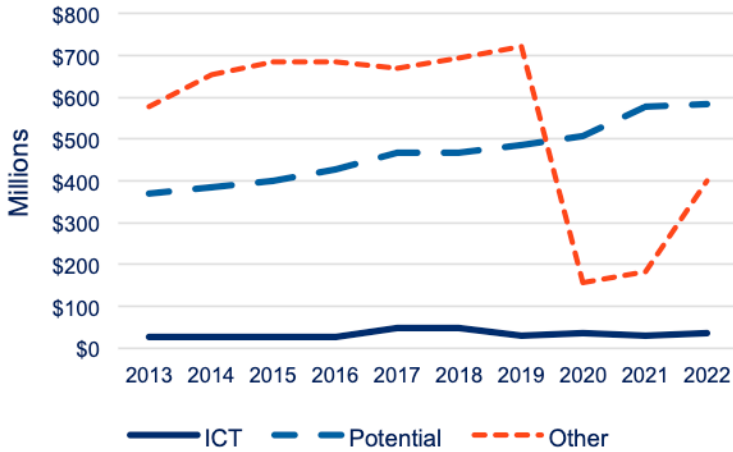




Massachusetts' 9th and Digital Trade

MA-9 Services Exports, 2013-2022



ICT services exports grew from \$27 million in 2013 to \$37 million in 2022 (37%), supporting 57 direct and 100 indirect jobs in 2022.

Potentially ICT-enabled services exports grew from \$370 million to \$585 million (58%), supporting 1,981 direct and 1,232 indirect jobs in 2022.

Exports of other services grew from \$577 million in 2013 to \$722 million in 2019 (25%), before falling sharply due to Covid-19. They have not yet fully recovered.

Massachusetts' 9th district's digitally tradeable services exports supported 2,038 direct and 1,332 indirect American jobs in 2022.

Top Markets for Digitally Tradeable Services from MA-9, 2022 (\$M)

Country	ICT	Potential	Total
Europe	\$18	\$280	\$298
Asia & Pacific (ex. China)	\$7.9	\$113	\$121
North America	\$5.2	\$69	\$74
Central & South America	\$3.5	\$62	\$65
China	\$1.2	\$33	\$34
Middle East & Africa	\$1.1	\$27	\$28

Europe was Massachusetts' 9th district's top market for digitally tradeable services, followed by Asia & Pacific (ex. China).

Massachusetts' 9th district's exports of potentially ICT-enabled services to Ireland grew from \$21 million in 2013 to \$55 million (+170%) in 2022.

The "Digital Dozen" accounted for \$246 million out of Massachusetts' 9th district's \$622 million in exports of digitally tradeable services in 2022.

Top Digitally Tradeable Services Exports from MA-9, 2022 (\$M)

Type (ICT in bold)	Total
Royalties from Industrial Processes	\$102
Misc. Financial Services	\$70
Implicit Financial Services	\$67
Misc. Personal, Cultural, and Recreational Services	\$51
Misc. Business, Professional, and Technical Services	\$49
Other	\$284

Miscellaneous computer services are the top ICT services export, growing from \$15 million in 2013 to \$16 million in 2022 (8%).

Royalties from industrial processes are Massachusetts' 9th district's top potentially ICT-enabled services export, growing from \$58 million in 2013 to \$102 million in 2022 (76%).