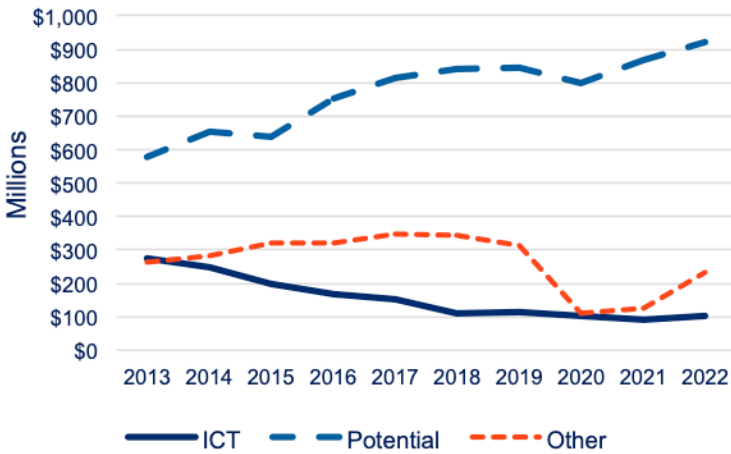




# Minnesota's 4th and Digital Trade

MN-4 Services Exports, 2013-2022



ICT services exports fell from \$275 million in 2013 to \$102 million in 2022 (-63%), but still supported 184 direct and 170 indirect jobs in 2022.

Potentially ICT-enabled services exports grew from \$578 million to \$921 million (59%), supporting 2,567 direct and 1,589 indirect jobs in 2022.

Exports of other services grew from \$265 million in 2013 to \$315 million in 2019 (19%), before falling sharply due to Covid-19. They have not yet fully recovered.

**Minnesota's 4th district's digitally tradeable services exports supported 2,751 direct and 1,759 indirect American jobs in 2022.**

Top Markets for Digitally Tradeable Services from MN-4, 2022 (\$M)

Country	ICT	Potential	Total
Europe	\$44	\$463	\$507
Asia & Pacific (ex. China)	\$26	\$172	\$197
Central & South America	\$14	\$119	\$133
North America	\$12	\$96	\$108
China	\$4.6	\$39	\$43
Middle East & Africa	\$2.1	\$31	\$33

Europe was Minnesota's 4th district's top market for digitally tradeable services, followed by Asia & Pacific (ex. China).

Minnesota's 4th district's exports of potentially ICT-enabled services to Singapore grew from \$14 million in 2013 to \$37 million (+174%) in 2022.

The "Digital Dozen" accounted for \$401 million out of Minnesota's 4th district's \$1.0 billion in exports of digitally tradeable services in 2022.

Top Digitally Tradeable Services Exports from MN-4, 2022 (\$M)

Type (ICT in bold)	Total
Royalties from Industrial Processes	\$197
Insurance Services	\$119
Misc. Financial Services	\$116
Implicit Financial Services	\$109
Business Management and Consulting Services	\$77
Other	\$405

Royalties from computer software are the top ICT services export, but fell from \$203 million in 2013 to \$43 million in 2022 (-79%).

Royalties from industrial processes are Minnesota's 4th district's top potentially ICT-enabled services export, growing from \$126 million in 2013 to \$197 million in 2022 (56%).