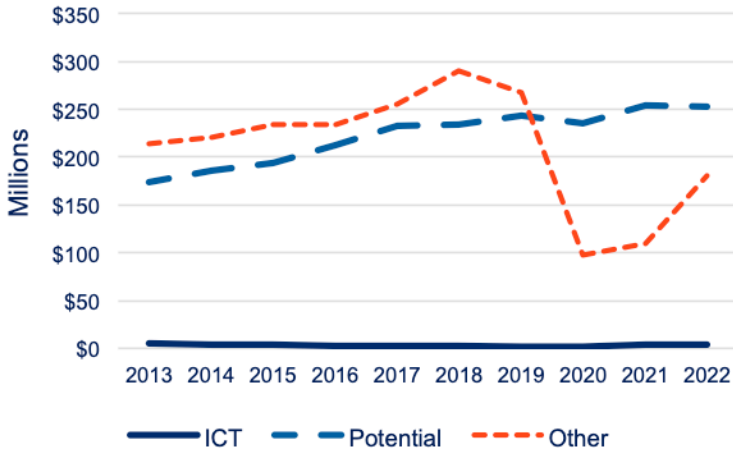




Michigan's 5th and Digital Trade

MI-5 Services Exports, 2013-2022



ICT services exports fell from \$4.6 million in 2013 to \$3.9 million in 2022 (-15%), but still supported 10 direct and 8 indirect jobs in 2022.

Potentially ICT-enabled services exports grew from \$173 million to \$252 million (46%), supporting 740 direct and 547 indirect jobs in 2022.

Exports of other services grew from \$214 million in 2013 to \$267 million in 2019 (25%), before falling sharply due to Covid-19. They have not yet fully recovered.

Michigan's 5th district's digitally tradeable services exports supported 750 direct and 555 indirect American jobs in 2022.

Top Markets for Digitally Tradeable Services from MI-5, 2022 (\$M)

Country	ICT	Potential	Total
Europe	\$1.6	\$142	\$144
Asia & Pacific (ex. China)	\$1.0	\$48	\$49
North America	\$0.6	\$25	\$25
Central & South America	\$0.4	\$15	\$16
China	\$0.2	\$14	\$15
Middle East & Africa	\$0.1	\$7.6	\$7.7

Europe was Michigan's 5th district's top market for digitally tradeable services, followed by Asia & Pacific (ex. China).

Michigan's 5th district's exports of potentially ICT-enabled services to Ireland grew from \$15 million in 2013 to \$38 million (+157%) in 2022.

The "Digital Dozen" accounted for \$86 million out of Michigan's 5th district's \$256 million in exports of digitally tradeable services in 2022.

Top Digitally Tradeable Services Exports from MI-5, 2022 (\$M)

Type (ICT in bold)	Total
Royalties from Industrial Processes	\$99
Misc. Business, Professional, and Technical Services	\$31
Payments for Trademarks	\$27
Business Management and Consulting Services	\$23
Research and Development and Testing Services	\$19
Other	\$57

Computer software services are the top ICT services export, growing from \$175,000 in 2013 to \$2.6 million in 2022 (1,413%).

Royalties from industrial processes are Michigan's 5th district's top potentially ICT-enabled services export, growing from \$73 million in 2013 to \$99 million in 2022 (35%).