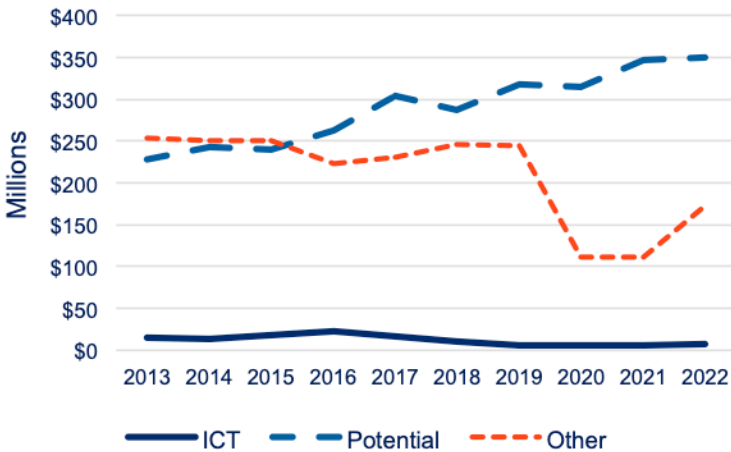




Pennsylvania's 9th and Digital Trade

PA-9 Services Exports, 2013-2022



ICT services exports fell from \$15 million in 2013 to \$6.8 million in 2022 (-55%), but still supported 9 direct and 8 indirect jobs in 2022.

Potentially ICT-enabled services exports grew from \$228 million to \$350 million (53%), supporting 883 direct and 667 indirect jobs in 2022.

Exports of other services declined from \$254 million in 2013 to \$245 million in 2019 (-4%), and then fell sharply due to Covid-19. They have not yet fully recovered.

Pennsylvania's 9th district's digitally tradeable services exports supported 892 direct and 675 indirect American jobs in 2022.

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

Country	ICT	Potential	Total
Europe	\$2.1	\$193	\$195
Asia & Pacific (ex. China)	\$0.9	\$70	\$71
North America	\$1.0	\$35	\$36
Central & South America	\$2.4	\$26	\$28
China	\$0.1	\$17	\$17
Middle East & Africa	\$0.2	\$9.6	\$9.8

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

Pennsylvania's 9th district's exports of potentially ICT-enabled services to Ireland grew from \$21 million in 2013 to \$54 million (+158%) in 2022.

The "Digital Dozen" accounted for \$129 million out of Pennsylvania's 9th district's \$357 million in exports of digitally tradeable services in 2022.

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

Type (ICT in bold)	Total
Royalties from Industrial Processes	\$123
Research and Development and Testing Services	\$60
Payments for Trademarks	\$30
Misc. Business, Professional, and Technical Services	\$24
Implicit Financial Services	\$21
Other	\$98

Telecommunications services are the top ICT services export, but fell from \$14 million in 2013 to \$5.5 million in 2022 (-60%).

Royalties from industrial processes are Pennsylvania's 9th district's top potentially ICT-enabled services export, growing from \$77 million in 2013 to \$123 million in 2022 (60%).