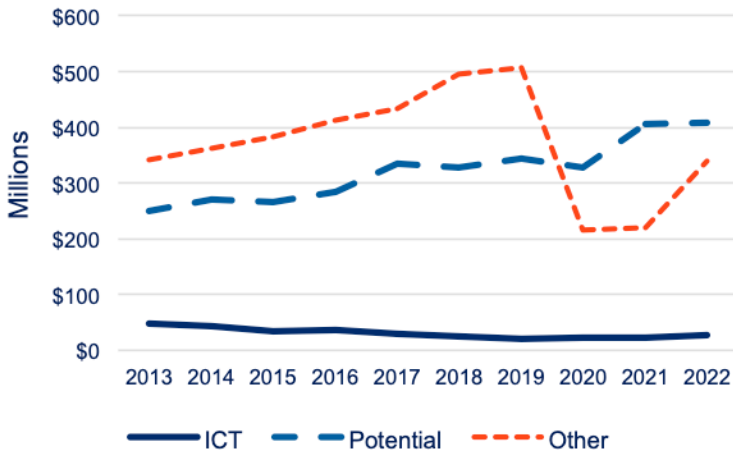




Pennsylvania's 11th and Digital Trade

PA-11 Services Exports, 2013-2022



ICT services exports fell from \$48 million in 2013 to \$26 million in 2022 (-45%), but still supported 41 direct and 35 indirect jobs in 2022.

Potentially ICT-enabled services exports grew from \$249 million to \$408 million (64%), supporting 1,087 direct and 869 indirect jobs in 2022.

Exports of other services grew from \$342 million in 2013 to \$507 million in 2019 (48%), before falling sharply due to Covid-19. They have not yet fully recovered.

Pennsylvania's 11th district's digitally tradeable services exports supported 1,128 direct and 903 indirect American jobs in 2022.

Top Markets for Digitally Tradeable Services from PA-11, 2022 (\$M)

Country	ICT	Potential	Total
Europe	\$11	\$198	\$209
Asia & Pacific (ex. China)	\$6.8	\$79	\$86
North America	\$2.5	\$53	\$55
Central & South America	\$4.1	\$42	\$46
China	\$1.3	\$19	\$21
Middle East & Africa	\$0.5	\$16	\$17

Europe was Pennsylvania's 11th district's top market for digitally tradeable services, followed by Asia & Pacific (ex. China).

Pennsylvania's 11th district's exports of potentially ICT-enabled services to Ireland grew from \$14 million in 2013 to \$48 million (+235%) in 2022.

The "Digital Dozen" accounted for \$165 million out of Pennsylvania's 11th district's \$434 million in exports of digitally tradeable services in 2022.

Top Digitally Tradeable Services Exports from PA-11, 2022 (\$M)

Type (ICT in bold)	Total
Royalties from Industrial Processes	\$101
Architectural, Engineering, and Misc. Technical Services	\$49
Research and Development and Testing Services	\$39
Payments for Trademarks	\$37
Misc. Business, Professional, and Technical Services	\$31
Other	\$177

Royalties from computer software are the top ICT services export, growing from \$15 million in 2013 to \$16 million in 2022 (3%).

Royalties from industrial processes are Pennsylvania's 11th district's top potentially ICT-enabled services export, growing from \$49 million in 2013 to \$101 million in 2022 (105%).