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Alain Togbe* (atogbe@pnc.edu), 1401 S. U.S. 421, Westville, IN 46391, and **Shichun Yang**,
Wenchuan, Sichuan, Peoples Rep of China. *On the P -integer conjecture of Pomerance.*

Let $k > 1$ be an integer. Moreover, let $\varphi(k)$ denote Euler's totient function and $\omega(k)$ the number of distinct prime divisors of k . An integer k is a P -integer if the first $\varphi(k)$ primes coprime to k form a reduced residue system modulo k . In 1980, Pomerance proved the finiteness of the set of P -integers. Moreover, he proposed the following conjecture.

CONJECTURE. If k is a P -integer, then $k \leq 30$.

In this talk, we will mention the progress made to obtain a proof of this conjecture. (Received July 29, 2014)