



## Breaking the Enigma Code (Paperback)

By United States National Security Agency

Createspace, United States, 2014. Paperback. Condition: New. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*. As the German military grew in the late 1920s, it began looking for a better way to secure its communications. It found the answer in a new cryptographic machine called Enigma. The Germans believed the encryption generated by the machine to be unbreakable. With a theoretical number of ciphering possibilities of  $3 \times 10^{114}$ , their belief was not unjustified. However, they never reached that theoretical level of security. Nor did they count on the cryptanalytic abilities of their adversaries. The Enigma machine based its cipher capabilities on a series of wired rotor wheels and a plugboard. Through a web of internal wiring, each of the 26 input contacts on the rotor were connected to a different output contact. The wiring connections of one rotor differed from the connections on any other rotor. Additionally, each rotor had a moveable placement notch found on an outer ring. The notch forced the rotor to its left to step one place forward. This notch could be moved to a different point on the rotor by rotating the outer ring. The Germans followed a daily list, known...



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