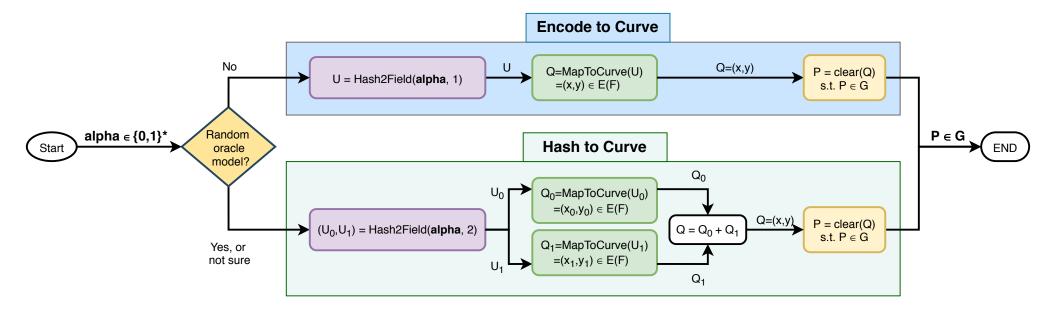
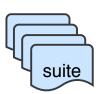
A. Faz-Hernandez, S. Scott, N. Sullivan, R. S. Wahby, C. A. Wood.





A **suite** is a concrete set of algorithms and parameters for an elliptic curve group.



The document provides a set of suites for encoding or hashing messages into elliptic curve points.

## **Parameters**

(F, q, p, m): A finite field of characteristic p and  $q=p^m$  elements.

(E, n): An elliptic curve E defined over F with n points.

(r, h, h'): Let n=h\*r, where r is the order of prime subgroup, h is the cofactor, and h' is a multiple of h.

(G): Group (or subgroup) of E(F).

(H, b): A cryptographic hash function H that outputs b bits.