## Process Description: Grapevine Importation through Foundation Plant Services, UC Davis (Simplified) Document # FPS2012-01 © UC Regents S. Sim Revised March 6, 2012 YEAR 7 YEAR 6 YEAR 9 YEAR 0 YEAR 1 YEAR 2 YEAR 3 YEAR 4 YEAR 5 YEAR **Customer submits Service** Request Form to FPS and identifies supplier. Supplier collects wood ships it to APHIS, Beltsville, MD Field Index **Graft onto indicators Cabernet franc** Kober 5BB LN-33 APHIS inspects forwards shipment to FPS George, LN-Mist Propagated **Propagated** Yolo county inspects **Plants Plants** shipment when opened. FPS assigns Accession number and Plant ID **Available** Available California Provisional Provisional status status **Foundation Stock** numbers. buds Plant in Professional California Growing Separate Propagate Make 8 plants Foundation Identification Registered 4 plants in large pots Canes into 2 DNA and/or Visual Vineyard Material Move 4 **Bundles** Grow and and Evaluate Available 96 buds (ideal) Train CDFA screenhouse Test Results for field index Canes for for growing **Trunk and Cordons** authorize 8 canes for propagation propagation Tests positive LAB TEST LAB TEST LAB TEST Visual Visual LAB TEST Keep 4 plants in Herbaceous host PCR and ELISA ELISA for ELISA for Inspection Inspection greenhouse for testing testing, ELISA for nepoviruses, fleck, nepoviruses, fleck, and tissue culture in nepoviruses, fleck, Repeated, Spring, Repeated, Spring winter Spring Index Mist Mist To determine **Propagated Propagated** Read treatment **Plants Plants Qualifies for** Summer **Available** Available CA Reg. Presumptive Provisional Provisional **Foundation** status Tissue Growing Culture From 4 inch pot to 2 **Plant** Verify for VIP Selections gallon pot; harvest Grow APHIS in Foundation woody buds for Material Available **Evaluate** and Growing Growing Test Train CDFA Results authorize Trunk/ LAB TEST Note: The green arrow represents a best case To determine Tests positive scenario in which a grape introduction tests negative LAB TEST Visual Visual positive ELISA ELISA Inspection for all viruses and establishes rapidly in the vineyard. outcome. PCR Repeated, and ELISA The purple arrows represent best case scenarios Spring, in which tissue culture treatment successfully eliminates virus and the vine establishes rapidly in the Field vineyard. Index Mist Mist To determine **Propagated Propagated** Read Spring treatment CA Reg. **Plants Plants** Tissue Summer **Available Available** Provisional Provisional Culture status status for virus elimination Growing Plant Verify From 4 inch pot to 2 gallon pot; harvest APHIS in Foundation Grow woody buds for Evaluate and and Growing Growing Test CDFA **Train** Results

LAB TEST

To determine

treatment

outcome. PCR

and ELISA

positive

authorize

Visual

Tests

positive

Trunk/

LAB TEST

Spring

ELISA

Visual

LAB TEST

ELISA

Repeated,

Spring,