

U.S. Swine Health Improvement Plan (U.S. SHIP)



Pilot Program Standards

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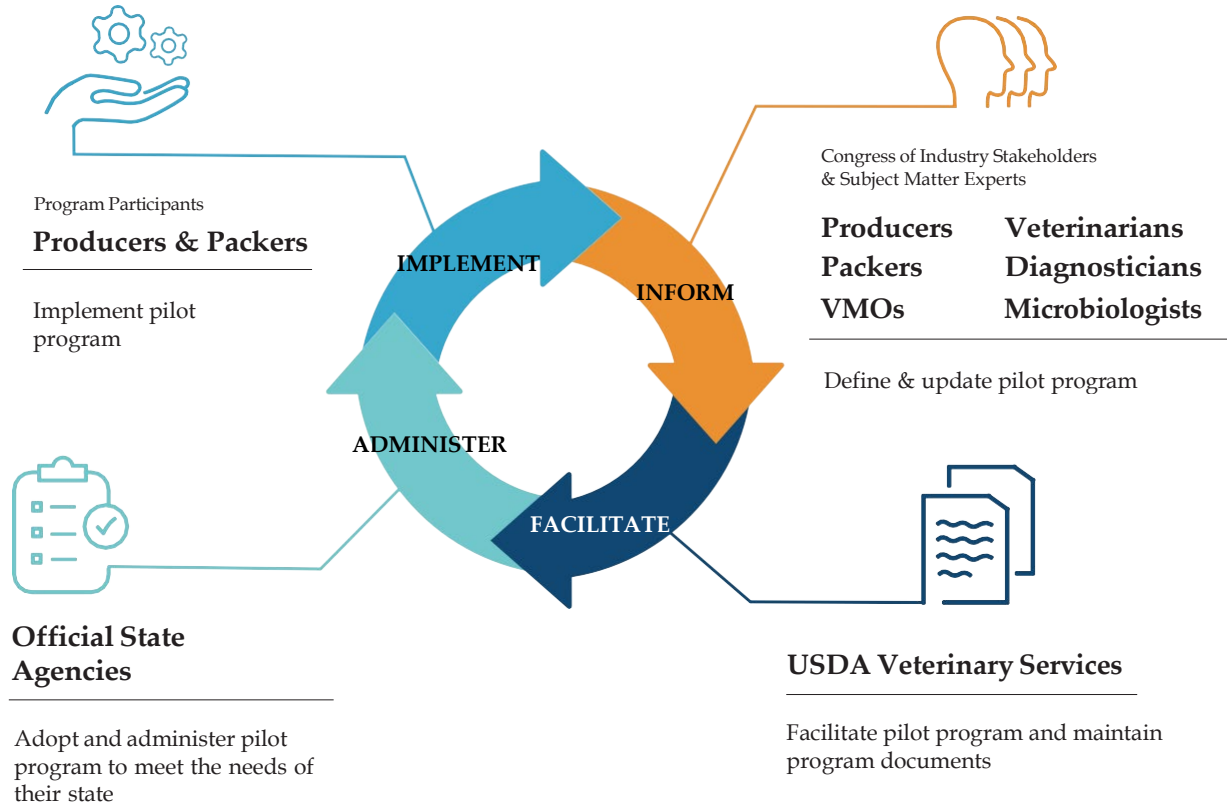


U.S. Swine Health Improvement Plan



ASF-CSF Monitored Certification

“A proven platform for safeguarding, certifying, and bettering animal health”



Industry, State, & Federal Partnership

Pathway for improving preparedness across the U.S. Pork Industry

U.S. SHIP will establish a **National Playbook** of technical standards centering on **Prevention** and **Demonstration of Freedom of Disease** Outside of Control Areas in Support of Animal Health, Commerce, and Trade.

Biosecurity, Traceability, and Disease Surveillance

Summary of Pilot Program Standards

Pilot Program Standards

A summary of the pilot program standards are listed below. These are the requirements for conferring the U.S. SHIP ASF-CSF Monitored Certification to participating Production Sites and Slaughter Facilities. In addition to the baseline ASF-CSF Monitored certification in the U.S. SHIP pilot program, interested producers may pursue voluntary PEDV Clean certification. PEDV Clean certification is held at the site-level, similar to the ASF-CSF Monitored certification.

Note: Slaughter facilities will not be required to have 100% of their supply chain originating from ASF-CSF Monitored Certified production (farm) sites to participate in U.S. SHIP.

ENROLLMENT:

- ☒ Participating premises are to be enrolled with the U.S. SHIP Official State Agency (U.S. SHIP OSA) in the state in which the premises is located.

VETERINARY SERVICE PROVIDER:

- ☒ Producers are to maintain a valid veterinary client-patient relationship with a licensed and federally accredited veterinarian.

TRACEABILITY:

Premises level information

- ☒ Premises level demographic information for each participating premises is to be complete, accurate, current, and on-file with the U.S. SHIP Official State Agency in which the premises is located.

The minimum required demographic information to be recorded for each premises is:	
☒ Premise Identification Number (PIN)	☒ Site Owner Contact Information
☒ Premise Type (Boar Stud, Breeding Herd, Farrow-Feeder/Finish, Growing Pig, etc.)	☒ Common Name of Site
☒ Site Location Information: Latitude and Longitude 911 Street Address, if one has been assigned	☒ Expected Site Capacity (Number of Breeding Swine and/or Growing Pigs)
☒ Date of last usage of the site by swine owner (if applicable)	☒ Date of initial enrollment of the site in U.S. SHIP, or date of first usage of the site by current swine owner

TRACEABILITY: CONT.

Swine movement information

- ☒ Participants are to maintain records of the intrastate and interstate movements of live swine into and out of each participating premises.
- ☒ Participants must demonstrate competency in providing at least 30 days of movement information electronically in a common format (e.g., a prescribed CSV file) to the U.S. SHIP Official State Agency in a timely manner (e.g. < 72 hours).

For participants with multiple participating premises within a given state, such competency can be demonstrated on a site-by-site basis or en-masse.

The minimum information required to be recorded for each movement is:		
☒ Date of movement	☒ Origin State	☒ Origin PIN
☒ Destination State	☒ Destination PIN	☒ Head in movement (Only when needed to Meet a Regulatory Reporting Requirement)
☒ Animal type in movement		

Semen movement information

- ☒ Boar stud premises participants are to maintain records of the intrastate and interstate movements of semen distributed out of each participating premises.
- ☒ Participants must demonstrate competency in providing at least 30 days of movement information electronically in a common format (e.g., a prescribed CSV file) to the U.S. SHIP Official State Agency in a timely manner (e.g. < 72 hours).

For participants with multiple participating premises within a given state, such competency can be demonstrated on a site-by-site basis or en-masse.

The minimum information required to be recorded for each movement is:		
☒ Date of movement	☒ Origin State	☒ Origin PIN
☒ Destination State	☒ Destination PIN	☒ ± Number of units in shipment (Only when needed to Meet a Regulatory Reporting Requirement)

Animal Identification

- ☒ Certified ASF-CSF Monitored participants must comply with existing State and Federal laws regarding animal/group/lot identification.

BIOSECURITY:

Feed Biosafety

In the event of an ASF or CSF incursion into the U.S. (ASF/CSF Risk Level 3; immediately after incursion, or if state/region positive), participants are to implement a temporary cessation of feeding spray-dried plasma, blood meal, meat and bone meal, intestinal peptide products, or other meal-based feedstuffs that have the potential to be of porcine origin.

This temporary cessation will be lifted if ingredients described above are sourced from:

- a. Suppliers with enhanced post-processing biosafety measures in place^{1,2}
- b. States or regions at ASF/CSF Risk Level 2 (Operations normalizing, State or region negative).
- c. U.S. returns to ASF/CSF Risk Level 1 (U.S. Negative).

¹ Requirements of post-processing treatment facilities:	² Approved post-processing treatments:
Enhanced post-processing treatment must occur at facilities that have premises level segregation from:	Thermal processing
Premises in which protein sources of porcine origin were initially heat treated (rendered or spray-dried) in accordance with feed grade safety requirements.	OR
AND	Ingredient quarantine/holding time and temperature
Finished feed facilities manufacturing feed for swine.	

Feed Supply

- ☒ The feeding of swill, garbage, or table waste that has the potential to include meat products is strictly prohibited.

Personnel

- ☒ Permitted individuals that have recently been exposed to livestock, feral/wild pigs or slaughter facilities in ASF/CSF/FMD positive regions or countries abroad should only visit farms or slaughter facilities in the U.S. after observing a 5-day downtime since arriving in the U.S., and donning PPE (boots/coveralls, etc.) provided by farm site or slaughter facility being visited.

BIOSECURITY: CONT.

Secure Pork Supply Site Plans

- ☒ Boar Stud, Breeding Herd, Farrow to Feeder, Farrow to Finish, and Growing Pig sites (U.S. SHIP Production Site Types) must be able to provide access to a completed Secure Pork Supply Biosecurity Plan to the OSA within 24 hours of the request.

SAMPLING AND TESTING (DISEASE SURVEILLANCE):

- ☒ Sampling and Testing Requirements of Participants
- ☒ Maintain compliance with ASF-CSF Sampling and Testing Requirements

U.S. SHIP sampling and testing requirements will *vary by Production Site Type* and the *ASF-CSF status* of the U.S., State, or Region (**Tables 1, 2, and 3**).

The program is based on targeted testing of animals of poor or sub-standard health. Targeted sampling enhances both the efficiency of detection and the simplicity of sample collection across the spectrum of commercial and non-commercial farms in the U.S.

The frequency of on-site sampling is a function of time and is independent of the timing of pig movement, thereby providing for a uniform and continuous system of disease monitoring across production sites, areas, and regions.

U.S. SHIP ASF-CSF tests are to be used for screening purposes only. Non-negative results would result in the testing laboratory (USDA NAHLN lab certified to conduct ASF-CSF testing) contacting the appropriate State and Federal animal health officials to initiate a Foreign Animal Disease Investigation (FADI) for the collection of additional samples for official ASF-CSF testing (confirmatory) purposes.

Table 1. Sampling and Testing Requirements for ASF-CSF Risk Level 1.

ASF/CSF Status = Level 1, U.S. Negative (Peace Time)			Sampling & Testing Requirements (Alternative Options)			
Production Site Type	Specimen Type(s)	I orA ¹	Frequency /Timing of Sampling	Option 1 Individual Only		Option 2 Aggregate Only (Group or Pen)
				# of Individual	# of Pools (Groups of up to 5)	# of Samples
Boar Stud Mature Boars, Distributing Semen, ± On-Site Isolation	Oral Swab Blood Swab Oral Fluids	I I I	No Additional Sampling and Testing Required			
Breeding Herd Breed to Wean, Breeding/ Gestation/ or Farrow Only,± On-Site GDU or Isolation	Oral Swab Blood Swab Oral Fluids	I I I	No Additional Sampling and Testing Required			
Growing Pig Nursery, Grower, Finisher, Isolation	Oral Swab Blood Swab Oral Fluids	I I A	No Additional Sampling and Testing Required			
Farrow to Feeder Farrow to Finish	Requirements of Breeding Herd + Growing Pig In Numbers, and Growing Pig Only in Frequency					
Small Holding a, 100 or< 1,000 Breeder or Feeder Swine	Oral Swab Blood Swab Oral Fluids	I I I or A	No Additional Sampling and Testing Required			
Non-Commercial < 100 Breeder or Feeder Swine.	Oral Swab Blood Swab Oral Fluids	I I A	No Additional Sampling and Testing Required			

¹ I= Individual Sample, A= Aggregate (Group or Pen) Sample

Table 2. Sampling and Testing Requirements for ASF-CSF Risk Level 2.

ASF/CSF Status = Level 2, U.S. Positive, Operations Normalizing, and State or Region Negative (All U.S. SHIP Testing is outside of Control Areas)				Sampling & Testing Requirements (Alternative Options)		
Production Site Type	Specimen Type(s)	I or ¹	Frequency /Timing of Sampling	Option 1 Individual Only		Option 2 Aggregate Only (Group or Pen)
				# of Individuals	# of Pools (Groups of up to 5)	# of Samples
Boar Stud Mature Boars, Distributing Semen, ± On-Site Isolation	Oral Swab Blood Swab Oral Fluids	I	2X per month	10	2	
Breeding Herd Breed to Wean, Breeding/ Gestation/ or Farrow Only, ± On-Site GOU or Isolation	Oral Swab Blood Swab Oral Fluids		Monthly		2	
Growing Pig Nursery, Grower, Finisher, Isolation	Oral Swab Blood Swab Oral Fluids	I A	Monthly		2	2
Farrow to Feeder Farrow to Finish	Requirements of Breeding Herd+ Growing Pig In Numbers, and Growing Pig Only in Frequency					
Small Holding " 100 or< 1,000 Breeder or Feeder Swine	Oral Swab Blood Swab Oral Fluids	I or A	Monthly	5		1 per 500, or 2 if> 500 pigs
Non-Commercial < 100 Breeder or Feeder Swine	Oral Swab Blood Swab Oral Fluids	A	Quarterly	5		

¹ I= Individual Sample, A= Aggregate (Group or Pen) Sample

Table 3. Sampling and Testing Requirements for ASF-CSF Risk Level 3.

ASF/CSF Status = Level 3, U.S. Positive, Immediately After Incursion, or if State or Region Positive. (All US SHIP Testing is Outside of Control Areas)				Sampling & Testing Requirements (Alternative Options)		
Production Site Type	Specimen Type(s)	I or ¹	Frequency / Timing of Sampling	Option 1		Option 2
				Individual Only		Aggregate Only (Group or Pen)
				# of Individuals	# of Pools (Groups of up to 5)	# of Samples
Boar Stud Mature Boars, Distributing Semen, ± On-Site Isolation	Oral Swab Blood Swab Oral Fluids		Weekly	10	2	
Breeding Herd Breed to Wean, Breeding/ Gestation/ or Farrow Only, ± On-Site GOU or Isolation	Oral Swab Blood Swab Oral Fluids		2X per month	10	2	
Growing Pig Nursery, Grower, Finisher, Isolation	Oral Swab Blood Swab Oral Fluids	A	Monthly	20	4	1 per 500 pigs with maximum of 8 per site
Farrow to Feeder Farrow to Finish	Requirements of Breeding Herd+ Growing Pig In Numbers, and Growing Pig Only in Frequency					
Small Holding ≤ 100 or < 1,000 Breeder or Feeder Swine	Oral Swab Blood Swab Oral Fluids	I I I or A	Monthly	10	2	1 per 500, or 2 if > 500 pigs
Non-Commercial < 100 Breeder or Feeder Swine	Oral Swab Blood Swab Oral Fluids	A	Monthly	5		

¹ I = Individual Sample, A = Aggregate (Group or Pen) Sample

SAMPLING AND TESTING (DISEASE SURVEILLANCE): CONT.

- ✓ Incorporating Use of USDA ASF/CSF Active Surveillance of Case Compatible Submissions to Veterinary Diagnostic Labs Into the U.S. SHIP ASF/CSF Monitored Certification Program.

Additional Program Administrative Requirement for U.S. SHIP Sampling & Testing:

- ASF/CSF test records of case-compatible submissions from U.S. SHIP ASF/CSF Monitored premises included in the USDA ASF/CSF Active Surveillance program (i.e., routine screening of case-compatible submissions made to veterinary diagnostic labs in the National Animal Health Lab Network) are to be collated, summarized and made available in near-real time to the appropriate stakeholder audiences. The U.S. SHIP Official State Agencies and State Animal Health Officials Premises are to be provided access to the total number and specific U.S. SHIP ASF/CSF Monitored premises being surveilled via this surveillance stream in their state. Aggregate level summaries (state level data) of the total number tests of and total number of U.S. SHIP ASF/CSF Monitored premises being surveilled via this USDA ASF/CSF Active Surveillance program are to be made available to broader U.S. pork industry stakeholder audiences.
- The Site Name, Premises Identification Number (PIN), and State where the animals being tested are located are required to be included on U.S. SHIP Qualifying submissions made to veterinary diagnostic labs.

Notes:

- U.S. SHIP Program Administrative Requirements are relevant to all U.S. SHIP Sampling and Testing. However, the initial focus of this requirement and associated deliverables centers on U.S. SHIP ASF/CSF Risk Level 1 (ASF/CSF Not Present in U.S./Peacetime).
- This U.S. SHIP Program Administrative Requirement does not have any impact on the means (current standard practices used) in which Submitting Veterinarians and Program Participants are routinely receiving tests result information from their veterinary diagnostic lab service providers.

PEDV CLEAN CERTIFICATION:

- ✓ Producers interested in obtaining a PEDV Clean certification must comply with all of the program requirements associated with ASF-CSF Monitored certification.
- ✓ Requirements to achieve PEDV Clean certification are currently limited to sampling and testing activities. PEDV Clean certification will be conferred by the OSA after a site accumulates ≥ 3 months of negative testing results and is maintained while the site

continues to test negative. The PEDV Sampling and Testing chart must be followed and ≥ 3 months of historical testing results may also satisfy the requirements.

- ✓ Approved specimen types for PEDV Clean testing can be found in the PEDV Sampling and Testing Chart. The producer and their herd veterinarian will choose a sample type and associated assay from the PEDV Sampling and Testing chart.
- ✓ Sampling instructions for oral fluids can be found in the Certified Swine Sample Collector program resources. Samples should be collected from animals evenly dispersed throughout the eligible sampling space and samples should be submitted as per receiving laboratory requirements.
- ✓ Diagnostic testing for PEDV Clean certification must be conducted using a validated assay at a laboratory with 3rd party accreditation (ISO17025 or AAVLD). Producers must collect at least 3 months of testing by their methodology of choice prior to switching between serology (serum sample type) or molecular.
- ✓ If clinical signs consistent with PEDV (i.e., increased vomiting, diarrhea, or mortality in piglets) are present, diagnostic testing must occur within 72 hours. PEDV positive results must be reported immediately to the OSA and the premises will forfeit PEDV Clean certification.
- ✓ In the event of a non-negative PEDV test result, producers can maintain their PEDV Clean status if they collect and submit 15 fecal samples and confirm negative test results, have a veterinarian conduct an assessment and confirm that no clinical signs are present in the pigs on the site, and report this information to their OSA. Samples must be collected from the same pigs or pen that were originally sampled, and within 14 days of the non-negative result. If producers choose not to pursue further testing, they will forfeit their PEDV Clean certification.
- ✓ Should a site become positive for PEDV, they will forfeit their PEDV Clean certification and be required to provide ≥ 3 months of negative test results, as outlined above for re-certification.

Production Site Type	Specimen Type(s)	I or A (Individual or aggregate)	Test type	Frequency/Timing of Sampling	# of Individual Animals	# of Pools* (Groups of up to 5)	# of samples
Boar stud Mature boars, distributing semen, Isolation	Feces Oral fluids	I or A	PCR	Every 14 days	3 boars across site Or warm up pen (A)	1	1
Breeding Herd Breed to Wean, Breeding/Gestation/ or Farrow Only, +On-Site GDU or Isolation	Farrowing crate – feces	I or A	PCR	Every 30 days	9 crates across total farrowing	3	3
	Gestation - oral fluids	A			3 pens	-	3
Growing Pig Nursery, Grower, Finisher, Isolation, Replacement stock	Feces	I or A	PCR	All-in, all-out: within 96 hours prior to first shipment Continuous flow: every 30 days	15 pigs across site (I) or 9 pens across site (A)	3	3
	Fecal swabs	I			15 pigs across site	3	3
	Oral fluids	A			3 pens across site	-	3
Small Holding >100 or <1,000 Breeder or Feeder Swine	Feces	I	PCR	Every 30 days	9 pens across site	3	3
	Oral fluids	A			3 pens across site	-	3
Non-Commercial <100 Breeder or Feeder Swine	Feces	I	PCR	Every 30 days	9 pens across site	3	3
	Oral fluids	A			3 pens across site	-	3
*Pen-based oral fluids cannot be pooled.							
Serology Option in lieu of PCR testing							
All premises	Serum	I	FMIA or FFN	Every 30 days	30 pigs (oldest animals or weaned pigs)	-	30