

US Swine Health Improvement Plan (US SHIP)



Program Standards as Passed at US SHIP House of Delegates Meeting

(US SHIP HOD)

August 23 – 24, 2021

Iowa Events Center

Des Moines, Iowa

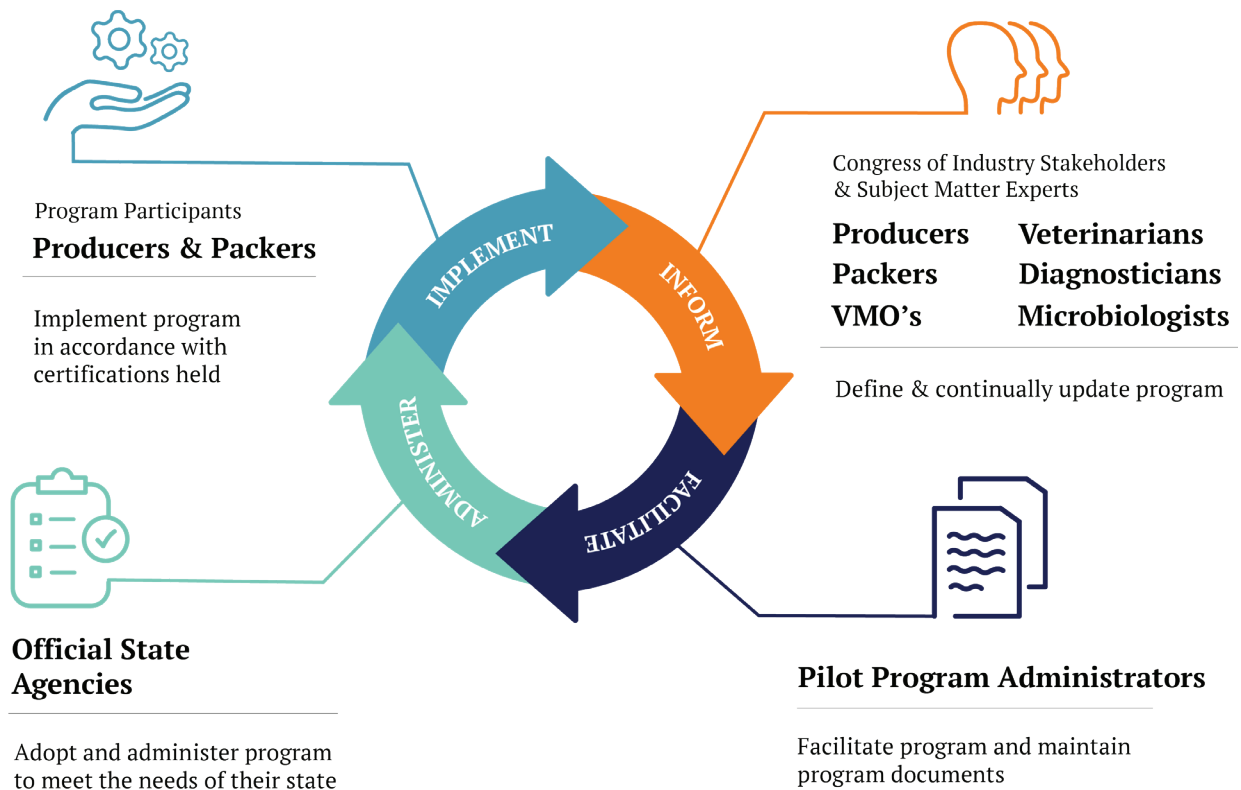


US Swine Health Improvement Plan



ASF-CSF Monitored Certification

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



Industry, State, & Federal Partnership

Pathway for improving preparedness across US Pork Industry

US SHIP will establish a **National Playbook** of technical standards centering on **Prevention and Demonstration of Freedom of Disease Outside of Control Areas**

Biosecurity, Traceability, and Disease Surveillance

Summary of Program Standards

Program Standards (Year 1)

A summary of the program standards as passed at the inaugural US SHIP HOD meeting on August 23-24 in Des Moines, IA are listed below. These are the requirements for conferring the US SHIP ASF-CSF Monitored Certification to participating Production Sites and Slaughter Facilities. These requirements will be reviewed, discussed, and voted upon at this inaugural US SHIP HOD meeting.

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 this pilot project.

ENROLLMENT:

- Participating premises are to be enrolled with the US SHIP Official State Agency (US 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 US SHIP Official State Agency in which the premises is located.

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

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 US 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:		
<input checked="" type="checkbox"/> Date of movement	<input checked="" type="checkbox"/> Origin State	<input checked="" type="checkbox"/> Origin PIN
<input checked="" type="checkbox"/> Destination State	<input checked="" type="checkbox"/> Destination PIN	<input checked="" type="checkbox"/> Head in movement
<input checked="" type="checkbox"/> 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 US 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:		
<input checked="" type="checkbox"/> Date of movement	<input checked="" type="checkbox"/> Origin State	<input checked="" type="checkbox"/> Origin PIN
<input checked="" type="checkbox"/> Destination State	<input checked="" type="checkbox"/> Destination PIN	<input checked="" type="checkbox"/> Number of units in shipment

Animal Identification

- Certified ASF-CSF monitored participants must comply with existing state and federal laws regarding animal/group/lot identification.

BIOSECURITY:

Feed Supply

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

BIOSECURITY: CONT.

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 US after observing a 5-day downtime since arriving in the US, and donning PPE (boots/coveralls, etc.) provided by farm site or slaughter facility being visited.

Enrollment Survey (Biosecurity Practices)

- At enrollment, participating premises will complete a survey to provide a simplistic categorization of some of the high-level biosecurity practices being implemented at the premises. Information from this survey is to provide quantitative data to assess current standards of practice across a broad spectrum of program participants. Results will help provide insight towards consideration of additional biosecurity related program standards in the future.

SAMPLING AND TESTING (DISEASE SURVEILLANCE):

- Initial 12-month Research Period: No Sampling and Testing Requirements of Participants

In the absence of an introduction of ASF/CSF, there will be no additional ASF/CSF sampling and testing requirements of participants beyond the current and/ongoing systems foreign animal disease (FAD) surveillance taking place across the US.

The first 12-months of the testing related activities will serve to develop informational and training materials, further modeling of disease spread and sensitivity of detection across herds and regions, and to conduct an expanded negative-cohort study of commercially available ASF-CSF PCR assays.

- Maintain compliance with ASF-CSF Sampling and Testing Requirements

US SHIP sampling and testing requirements will *vary by Production Site Type* and the *ASF-CSF status* of the US, 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.

US 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.

Section 1. Program Standards (Year 1)

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

<div style="background-color: black; color: white; padding: 5px; display: inline-block;"> ASF/CSF Status = Level 1, US Negative (Peace Time) </div>				Sampling & Testing Requirements (Alternative Options)		
				Option 1 Individual Only		Option 2 Aggregate Only (Group or Pen)
Production Site Type	Specimen Type(s)	I or A ¹	Frequency / Timing of Sampling	# 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 I I	Research Period: No Sampling and Testing Requirements			
Breeding Herd Breed to Wean, Breeding/ Gestation/ or Farrow Only, ± On-Site GDU or Isolation	Oral Swab Blood Swab Oral Fluids	I I I	Research Period: No Sampling and Testing Requirements			
Growing Pig Nursery, Grower, Finisher, Isolation	Oral Swab Blood Swab Oral Fluids	I I A	Research Period: No Sampling and Testing Requirements			
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	Research Period: No Sampling and Testing Requirements			
Non-Commercial < 100 Breeder or Feeder Swine	Oral Swab Blood Swab Oral Fluids	I I A	Research Period: No Sampling and Testing Requirements			

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

Section 1. Program Standards (Year 1)

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

<div style="background-color: black; color: white; padding: 5px; font-weight: bold;"> ASF/CSF Status = Level 2, US Positive, Operations Normalizing, and State or Region Negative (All US SHIP Testing is outside of Control Areas) </div>				Sampling & Testing Requirements (Alternative Options)		
				Option 1 Individual Only		Option 2 Aggregate Only (Group or Pen)
Production Site Type	Specimen Type(s)	I or A ¹	Frequency / Timing of Sampling	# of Individuals	# of Pools (Groups of up to 5)	# of Samples
Boar Stud Mature Boars, Distributing Semen, ± On-Site Isolation	Oral Swab	I	2X per month	10	2	-
	Blood Swab	I				
	Oral Fluids	I				
Breeding Herd Breed to Wean, Breeding/ Gestation/ or Farrow Only, ± On-Site GDU or Isolation	Oral Swab	I	Monthly	10	2	-
	Blood Swab	I				
	Oral Fluids	I				
Growing Pig Nursery, Grower, Finisher, Isolation	Oral Swab	I	Monthly	10	2	2
	Blood Swab	I				
	Oral Fluids	A				
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	I	Monthly	5	1	1 per 500, or 2 if > 500 pigs
	Blood Swab	I				
	Oral Fluids	I or A				
Non-Commercial < 100 Breeder or Feeder Swine	Oral Swab	I	Quarterly	5	1	1
	Blood Swab	I				
	Oral Fluids	A				

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

Section 1. Program Standards (Year 1)

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

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

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