

US Swine Health Improvement Plan (US SHIP)



House of Delegates Meeting
(US SHIP HOD)

September 5 – 7, 2023

Doubletree by Hilton

Bloomington, MN

Proposed Updates to Program Standards
and Resolutions to be Considered

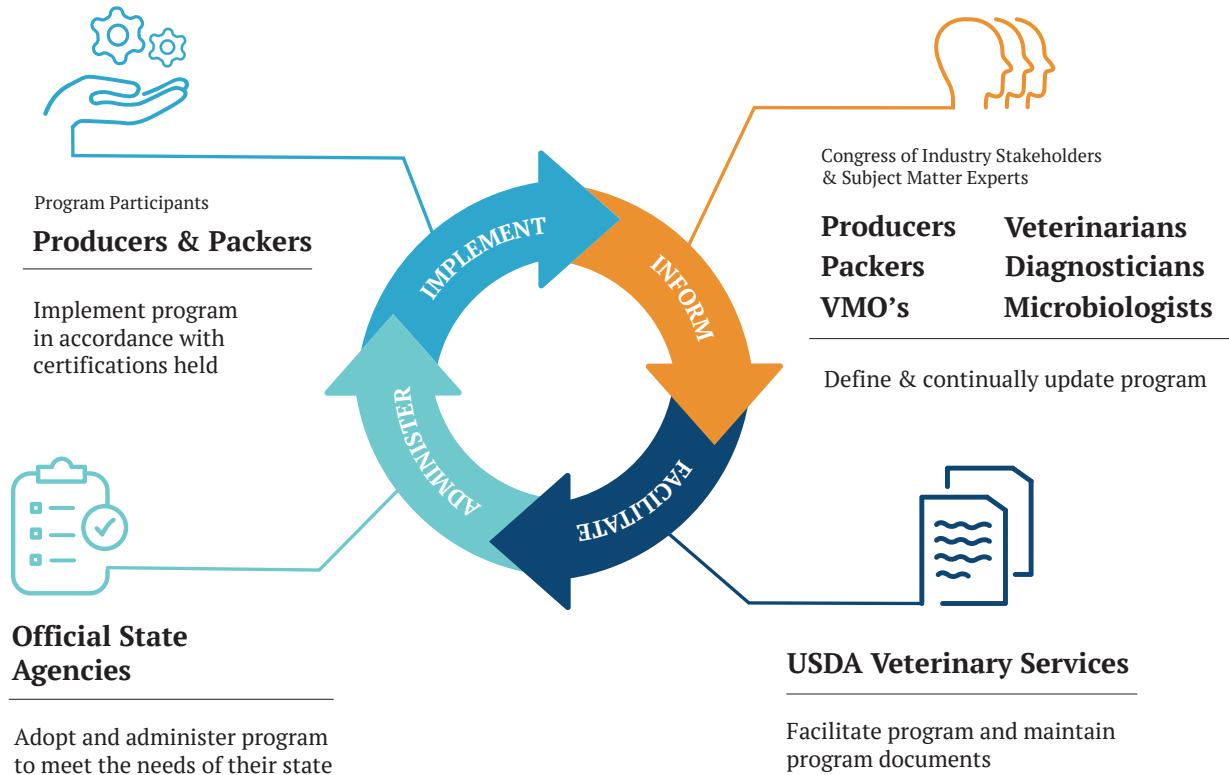


US Swine Health Improvement Plan



ASF-CSF Monitored Certification

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



Industry, State, & Federal Partnership

Pathway for improving preparedness across 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 in Support of Animal Health, Commerce, and Trade.

Biosecurity, Traceability, and Disease Surveillance

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Overview of US SHIP

US SHIP is being modelled after the National Poultry Improvement Plan (NPIP), a collaborative effort involving industry, state, and federal partners providing standards for certifying the health status of greater than 99% of commercial scale poultry and egg operations across the US.

US SHIP aims to establish a similar platform for safeguarding, improving, and representing the health status of swine across participating farm sites, supply chains, states, and regions. Such a working system is needed to support the current and future health assurance needs of the 21st century US pork industry.

The initial and principal objectives are to develop and implement an African Swine Fever (ASF)-Classical Swine Fever (CSF) Monitored Certification of US pork production operations (farm sites and slaughter facilities) modelled after the NPIP's H5/H7 Avian Influenza Monitored certification of US Commercial Poultry operations.

The US SHIP ASF-CSF Monitored certification aims to mitigate risks of disease introduction and provide a practical means for demonstrating evidence of freedom of disease (outside of foreign animal disease control areas) in support of ongoing interstate commerce and a pathway towards the resumption of international trade over the course of a trade impacting disease response and recovery period.

US SHIP is designed to be applicable across the full-spectrum of US pork industry participants from the small show pig farmer to the larger commercial producers, live animal marketing operations, and slaughter facilities. Deriving program standards that are relevant to and enabling participation across the full-breadth of US commercial pork industry participants is essential. A critical mass of participation is a foundational element necessary for being able to represent the health status of domestic pig production operations across supply chains, areas, states, and regions.

The National Pork Producers Council, National Pork Board, North American Meat Institute, United States Animal Health Association, American Association of Swine Veterinarians, and the American Association of Veterinary Laboratory Diagnosticians have each come forward with motions and/or other words of support for expanding the resources being provided to further the development of US SHIP. In 2022 a joint industry “ASF Strategy Work Group” led by board members of the National Pork Board and National Pork Producers Council identified “expediting the development of US SHIP into a permanent USDA program” as one of the key industry priorities to be pursued and in March of 2023 the National Pork Forum unanimously passed a resolution encouraging all pork producers to enroll in US SHIP.

In summary, US SHIP will establish a national playbook of technical standards and associated certification recognized across participating states that centers on disease prevention and demonstration of freedom of disease outside of control areas in support of animal health, commerce, and trade.

The time for such a national strategy is now!

Acknowledgements

The US SHIP development project investigators and staff would like to thank the myriad of industry, state, and federal partners that have volunteered their time, subject matter expertise, and energies towards informing the development of a US SHIP customized to meet the needs of the 21st century US pork industry.

The engagement and contributions of the *more than 200 US pork industry participants* (e.g., producers, packers, veterinarians, nutritionists, VDLs / academia, and state and federal veterinary medical officials) from across the US that have participated in a technical working group, pilot project, research endeavor, or served in an advisory capacity have been exemplary.

The collaboration and support provided by the National Pork Board, National Pork Producers Council, North American Meat Institute, United States Animal Health Association, Swine Health Information Center, and the American Association of Swine Veterinarians has been nothing short of tremendous and foundational towards moving this precedent setting endeavor forward.

A special word of thanks to the National Pork Board for the provision of funding to off-set the costs to host (meals, convention hall meeting rooms, AV support) this 3rd US SHIP HOD meeting.

Also, a word of thanks to US SHIP Technical Committee Working Group Leaders that have facilitated the process of developing the proposed updates to the Program Standards and the Resolutions to be discussed and considered further at this US SHIP HOD.

US SHIP Technical Committee Working Group Leaders:

Biosecurity Site Plans /Feral Pig Risk Mitigation Working Group: Chris Rademacher (Iowa State University) and Montse Torremorell (University of Minnesota)

Feed Biosafety: Jordan Gebhardt (Kansas State University)

Transportation Sanitation: Edison Magalhães (Iowa State University)

Traceability: James Lowe (University of Illinois), Giovanni Trevisan (Iowa State University)

Sampling and Testing: Rodger Main (Iowa State University), Jane Christopher-Hennings (South Dakota State University), Jerry Torrison (Longhorn Vaccines and Diagnostics), and Jeff Zimmerman (Iowa State University).

Subcommittee on Peacetime Surveillance (2023): Mike Paustian (Producer - IA) and Howard Hill (Producer - IA)

Meeting Objectives

US SHIP House of Delegates Participant,

Thank you for attending the 3rd US SHIP House of Delegates (HOD) meeting that is being held at the DoubleTree by Hilton in Bloomington, MN.

Objectives of this forum of US pork industry stakeholders:

1. Further introduce and orientate interested US pork industry, state, and federal partners to this US Swine Health Improvement Plan (US SHIP) endeavor. (e.g., Scope, purpose, requirements for certification, operational structure, progress made over the past year, plans for ramping US SHIP to an officially recognized USDA Swine Health Program by the end of 2024, and the outcomes of the charges set forth by a series of Resolutions passed at the 2022 US SHIP HOD).
2. Review, discuss, and vote upon proposed updates to the Program Standards and a series of Resolutions being brought forth for consideration.
3. Provide participatory based input towards US SHIP program content, direction, and to determine additional items of high relevance (related to US swine health and foreign animal disease preparedness) that are of interest to be explored further in the coming year.

The US SHIP HOD is a decision-making body composed of US pork industry participants and subject matter experts that aim to represent the interests of pork industry stakeholders across each of the states that have expressed an interest in participating in US SHIP.

Each state expressing interest has been allocated a specified number of voting delegates and the opportunity to invite up to 2 non-voting guests to attend the US SHIP HOD meeting. A formula was used to derive the number of voting delegates allocated to each state. The number of delegates includes a baseline allocation to each state, as well as an allocation proportionate to the capacity (inventory) of the Breeding Herd and Growing Pig production sites (respectively) enrolled in US SHIP that are located in each respective state.

Official State Agencies (OSAs) in conjunction with their state pork producer associations have been asked to seek volunteers to serve as voting delegates or non-voting guests in this US SHIP HOD. Each participating state's voting delegation is to be inclusive of the State Animal Health Official or their designee. State level participation in this US SHIP development project will be determined by the State Animal Health Official.

As of July 12, 2023, 33 states have expressed interest to participate, and a total 231 voting delegate invitations have been extended to participate in this 3rd US SHIP HOD. Delegates must be present to vote at the US SHIP HOD. Individual delegates attending the US SHIP HOD cannot cast more than one vote or cast votes on other delegates' behalf (i.e., one person/delegate = one vote). Please reach out to your respective US SHIP OSA or state pork producer association if you would like to be considered as a voting delegate or non-voting guest.

The US SHIP development project investigators, staff, and technical committees have worked earnestly to ensure the Program Standards and Resolutions being set forth for consideration represent practical and tangible improvements to the current industry status quo for animal health.

US SHIP OSAs and US SHIP HOD meeting participants are encouraged to review and discuss the proposed Program Standards and Resolutions to be considered within their respective places of business and collectively prior to the US SHIP HOD meeting in September. . In addition, the 2023 HOD will host the first elected General Conference Committee (GCC) with candidates nominated for each of the nine (9) GCC members.

As you have the opportunity to review the enclosed information, the US SHIP office would certainly welcome any questions, suggestions, or concerns.

US SHIP Contact Information:

Email: usship@iastate.edu

Phone: 515-294-8611

Website: usswinehealthimprovementplan.com

Thank you again for your interest in volunteering your time and insight towards helping form and shape this precedent setting endeavor that has the overarching goal of establishing a sustainable platform for safeguarding, certifying, and bettering the health of US swine and longer-term competitiveness of the US pork industry.

US Swine Health Improvement Plan Development Project Investigators and Staff,

Collaborating Investigators (By Institution):

Iowa State University:

Rodger Main (Principal Investigator), Chris Rademacher, James Roth, Giovanni Trevisan, and Jeff Zimmerman

Kansas State University:

Jordan Gebhardt

South Dakota State University:

Jane Christopher-Hennings

University of Illinois:

James Lowe

University of Minnesota:

Montserrat Torremorell

Longhorn Vaccines Diagnostics:

Jerry Torrison

USDA

Lisa Rochette, Nick Humphry, Cody Egnor, and Kelly Castiano

US SHIP Staff:

Tyler Holck, Senior Program Coordinator

Leticia Linhares, Veterinary Coordinator

Giovanni Trevisan, Veterinary Diagnostic and Epidemiologic Information

Draft Agenda

Tuesday, September 5th

- 2:00 to 6:00 pm — US SHIP Registration (*Packet Pick-Up*)
- 3:00 to 5:30 pm — US SHIP Official State Agency Session (*for State Animal Health Officials and State Pork Association Staff members*)
- 6:00 pm — US SHIP Welcome Reception (*for all attendees*)
 - *Garden Court: Heavy appetizers, cash bar*

Wednesday, September 6th

- 7:00 to 8:00 am — Packet Pick-Up/Continental breakfast *outside ballroom*
- 8:00 to 9:45 am — General Session – large banquet room
 - Welcome, agenda/objectives, and brief US SHIP year in review
 - MN welcome, GCC progress & proposals
 - USDA APHIS ASF update and support for US SHIP
 - USDA trade & US SHIP
 - NPB & US SHIP engagement
 - NPPC & US SHIP engagement
 - US SHIP vision forward
- 9:45 to 10:15 am — Break
- 10:15 to 12:00 pm — General Session
 - Technical overviews and key topics for breakouts – *large banquet room*
 - Biosecurity year 3 overview
 - Site biosecurity/feral pig overview
 - Feed biosafety overview
 - Transport sanitation
 - Traceability – overview
 - Traceability in other pork export countries
 - Repository of inter-premises swine movement records
 - Sampling/testing – year 3 overview
- 12:00 to 1:15 pm — Lunch – *Garden Court*
- 1:30 to 3:00 pm — Breakout Session I
 - A. Feed biosafety
 - B. Traceability
 - C. Site biosecurity and feral pigs
- 3:00 to 3:15 pm — Break
- 3:30 to 5:00 pm — Breakout Session II
 - A. Live haul sanitation
 - B. Sampling/testing
 - C. Indiana cull sow project
 - D. Governance/GCC proposals
- 6:30 pm — Banquet

Thursday, September 7th

- 7:00 am — Continental breakfast – *outside of ballroom*
- 8:00 am — Brief review of Wed, business mtg overview
- 8:15 am — Business Meeting
- Review of business meeting procedures
 - Approve 2022 HOD minutes
 - Election of GCC members
 - Consider approval of new Standards
 - Consider approval of new Resolutions
- ~12:00 pm — Adjourn

Summary of Program Standards

Program Standards

A summary of the program standards are listed below. These are the requirements for conferring the US SHIP ASF-CSF Monitored Certification to participating Production Sites and Slaughter Facilities.

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 US SHIP..

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)	

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.

Feed Biosafety

In the event of an ASF or CSF incursion into the US (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. US returns to ASF/CSF Risk Level 1 (US 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.	

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.

Feed Supply

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

Personnel

- ☑ Permissioned 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.

Secure Pork Supply Site Plans

- ☒ Boar Stud, Breeding Herd, Farrow to Feeder, Farrow to Finish, and Growing Pig sites (US 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

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.

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

ASF/CSF Status = Level 1, US Negative (Peace Time)				Sampling & Testing Requirements (Alternative Options)		
Production Site Type	Specimen Type(s)	I or A 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 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 ≥ 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

Additional note concerning USDA's active ASF/CSF surveillance of case-compatible submissions to veterinary diagnostic laboratories in the NAHLN:

Efforts will be made in the coming year to increase industry participant awareness and participation in this recently expanded means of active ASF/CSF surveillance.

Additionally, US SHIP Program Administrators have been in preliminary discussions with USDA Swine Health Program Staff concerning the potential for incorporating this real-time (ongoing) surveillance of case-compatible case submissions to VDL's as a principle component of US SHIP's Risk Level 1 (US Free) surveillance in the future.

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

ASF/CSF Status = Level 2, US Positive, Operations Normalizing, and State or Region Negative (All US SHIP Testing is outside of Control Areas)				Sampling & Testing Requirements (Alternative Options)		
Production Site Type	Specimen Type(s)	I or A 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 I I	2X per month	10	2	-
Breeding Herd Breed to Wean, Breeding/ Gestation/ or Farrow Only, ± On-Site GDU or Isolation	Oral Swab Blood Swab Oral Fluids	I I I	Monthly	10	2	-
Growing Pig Nursery, Grower, Finisher, Isolation	Oral Swab Blood Swab Oral Fluids	I I A	Monthly	10	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 I I or A	Monthly	5	1	1 per 500, or 2 if > 500 pigs
Non-Commercial < 100 Breeder or Feeder Swine	Oral Swab Blood Swab Oral Fluids	I I A	Quarterly	5	1	1

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, US 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 A 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 I I	Weekly	10	2	-
Breeding Herd Breed to Wean, Breeding/ Gestation/ or Farrow Only, ± On-Site GDU or Isolation	Oral Swab Blood Swab Oral Fluids	I I I	2X per month	10	2	-
Growing Pig Nursery, Grower, Finisher, Isolation	Oral Swab Blood Swab Oral Fluids	I I 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	I I A	Monthly	5	1	1

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

Administrative Requirements for Sampling & Testing:

Sample Collection:

Samples are to be collected and submitted to the testing laboratory under the guidance and direction of an officially licensed and accredited veterinarian.

Submission for Testing:

Samples are to be submitted to qualifying veterinary diagnostic laboratories (i.e., USDA NAHLN labs certified to conduct ASF/CSF testing) in accordance with the policies and procedures of the laboratory to receive and test the samples.

Testing Laboratories:

Testing for ASF-CSF Monitored Certification can only be performed in participating USDA NAHLN laboratories certified by the USDA to conduct ASF-CSF testing.

Accessibility and Reporting of Test Results:

Test results are to be accessible (reported) to the Submitting Veterinarian, Program Participant, US SHIP Official State Agency, and the appropriate State Animal Health Officials and USDA Veterinary Services Agencies.

Samples with non-negative test results will be forwarded to the USDA Foreign Animal Disease Diagnostic Laboratory (FADDL) for additional (confirmatory) testing. Simultaneously, the testing laboratory will be responsible for contacting the appropriate State and Federal Animal Health Officials to initiate a Foreign Animal Disease Investigation and collection of additional samples for official ASF-CSF testing (confirmatory) purposes.

Consistent with existing procedures, reporting of confirmed positive ASF-CSF test results and response to detection is the responsibility of the appropriate State and Federal Animal Health Officials.

Test Methods (Assays):

ASF-CSF diagnostic test methods (assays) shall be equivalent or comparable to USDA NAHLN ASFV and CSFV approved test methods, shall be well-supported by test validation and personnel training records in accordance with quality assurance standards set-forth by the American Association of Veterinary Laboratory Diagnosticians (AAVLD), and approved by the US SHIP Sampling and Testing Technical Committee.

Proposed Updates to Program Standards

Definition: Program Standards: Requirements to be met or exceeded by enrolled producers and slaughter facilities to be certified in US SHIP.

Approval of Program Standards requires majority vote by the US SHIP HOD.

The proposed updates to the Program Standards represent some portion of the work product and recommendations of US SHIP Technical Working Groups Biosecurity (Feed Biosafety and Site Biosecurity), Traceability, and Sampling and Testing.

The principal charges provided to the various working groups stem back to the series of Resolutions passed at the 2022 US SHIP HOD.

The Resolutions passed at the 2022 US SHIP HOD are available on the US SHIP website under Documents (usswinehealthimprovementplan.com).

UPDATE TO PROGRAM STANDARD NUMBER:

2023 – 1

SUBMITTED BY:

US SHIP General Conference Committee

SUBJECT MATTER:

Establishment of the US SHIP Technical Committee

PROPOSED STANDARD:

US SHIP Technical Committee:

The US SHIP Technical Committee is made up of technical experts on swine health, biosecurity, surveillance, and diagnostics. The committee consists of representatives from the US pork industry, universities, and State and Federal governments and is appointed by the Senior Coordinator and approved by the General Conference Committee (GCC).

The US SHIP Technical Committee is divided into three subcommittees:

- Biosecurity
- Traceability
- Sampling and Testing (Surveillance)

More specialized (subject matter or initiative specific) working groups may also be commissioned under the umbrella of these three principal subcommittees as needs arise.

US SHIP Technical Committee Members may serve on one, two, or all three subcommittees.

The committee will evaluate proposed changes to the Provisions and Program Standards of the US SHIP and provide recommendations to the GCC and delegates of the US SHIP House of Delegates as to whether they are scientifically or technically sound.

Background/Reason:

This proposal aims to formalize the establishment of the US SHIP Technical Committee. Whereas the National Poultry Improvement Plan's Technical Committees have evolved over time to be by pathogen type (e.g., Mycoplasma, Salmonella, and Avian Influenza), the proposed structure that centers on the three pillars (biosecurity, traceability, and sampling & testing) of the ASF/CSF Monitored certification seems to be a more appropriate entry point for the structure of the US SHIP Technical Committee.

During the start-up period of US SHIP, the US SHIP Technical Working Groups have played an active role in developing the proposed program standards, amendments to existing standards, and resolutions being brought forward for consideration to the US SHIP House of Delegates. As US SHIP and its associated processes mature with time, as is the case with NPIP, the principal role of the US SHIP Technical Committees is anticipated to pivot to be more focused on "vetting" rather than "developing" proposed changes or updates to the US SHIP being submitted to the US SHIP House of Delegates for consideration.

The subject matter experts serving on NPIP's Technical Committees have a long history of playing a significant role in supporting the needs of and helping to advance the NPIP over the course of time. The US SHIP Technical Committees proposed here are anticipated to provide similar support to the ongoing development, implementation, and advancement of the US SHIP.

UPDATE TO PROGRAM STANDARD NUMBER:

2023 – 2

SUBMITTED BY:

US SHIP General Conference Committee

SUBJECT MATTER:

Percent Vote To Pass or Amend Program Standard at US SHIP House of Delegates

PROPOSED AMENDMENT TO EXISTING PROGRAM STANDARD:

CURRENT STANDARD:

Approval of Standards and Resolutions by simple majority (>50%) of votes cast.

PROPOSED AMENDMENT / UPDATE:

Approval of new or amendments to Program Standards require a super-majority (defined here as > two-thirds or 66.67%) votes cast.

Approval of Resolutions require simple majority (> half or 50%) of votes cast.

Definitions:

Program Standards = Requirements to be met or exceeded to obtain and maintain a specified US SHIP certification.

Resolutions = Charges to pursue initiatives or further explore specific issues that aim to further inform US SHIP program content and direction.

Background/Reason:

US SHIP is a voluntary USDA program for certifying the health of US swine that provides for a shared system of governance among industry, state, and federal partners wherein such partners convene to determine program content, direction, and requirements necessary to confer certifications granted.

US SHIP is being modeled after the basic tenets of the National Poultry Improvement Plan (NPIP). NPIP has evolved to now be certifying the health status of greater than 99% of commercial scale poultry and egg operations across all 50 US states. This critical mass of participation is unquestionably a highly significant contributing factor toward NPIP's longstanding and proven track-record of success.

US SHIP is being founded upon an ASF/CSF Monitored certification that centers on providing a well-prescribed means for demonstrating evidence of freedom of disease across participating production operations, supply chains, states, and regions in support of ongoing interstate commerce and a pathway towards the resumption of international trade over the course of a trade impacting disease response and recovery period.

Obtaining a critical mass of participation in this US SHIP ASF/CSF Monitored certification program the singular most important element necessary towards being able to make tangible progress towards protecting, improving, and being able to represent the health status of all domestic pig production operations across supply chains, areas, states, and regions.

The US pork industry consists of operations that are quite diverse (e.g., large, small, integrated, independent, indoor, outdoor, breeding stock, grow-finish, commercial, exhibition, or niche). While great differences exist among the various types of pork production operations, each of the various segments of the US pork industry play a highly important role when it comes to being able to represent the health status of a supply chain to a given slaughter facility or all the pigs across a geographical area, state, region, or country.

Developing the US SHIP ASF/CSF Monitored certification in such a way that encourages very large-scale participation across the full-spectrum of industry participants and states is absolutely critical to achieve the overarching objectives of this endeavor.

Increasing the percentage of vote required to establish or amend a Program Standard aims to build stakeholder confidence in that such Program Standards incorporated into the US SHIP are reflective of the sentiment and interest of the greater expanse of US pork industry participants.

SUBMITTED BY: US SHIP US Traceability Working Group

SUBJECT MATTER: Inter-premises Swine Movement Records: Eliminating “Head in Movement” as a Required Field to be Recorded Unless Otherwise Required to Meet a Regulatory Requirement

PROPOSED AMENDMENT TO EXISTING PROGRAM STANDARD:

CURRENT STANDARD:

The minimum information required to be recorded for each movement is:

- ☒ Date of Movement
- ☒ Origin State
- ☒ Origin Premises Identification Number (PIN)
- ☒ Destination State
- ☒ Destination Premises Identification Number (PIN)
- ☒ Animal Type in Movement
- ☒ Head In Movement

PROPOSED AMENDMENT / UPDATE:

The minimum information required to be recorded for each movement is:

- ☒ Date of Movement
- ☒ Origin State
- ☒ Origin Premises Identification Number (PIN)
- ☒ Destination State
- ☒ Destination Premises Identification Number (PIN)
- ☒ Animal Type in Movement
- ☒ ± Head In Movement (Only When Needed to Meet a Regulatory Reporting Requirement)

Background/Reason:

It has come to our attention via the many ongoing industry level conversations related to “Traceability in the US Pork Industry” that reporting the “Head in Movement” seems to be a concern amongst a number of industry stakeholders. Albeit reporting the “Head in Movement” is commonly required for meeting regulatory requirements associated with moving swine inter-state for the purposes of further breeding, growing, or exhibition; knowing the “number of head in movement” is not necessary to be able to capably track and trace the inter-premises movements of swine. The contact premises involved in such investigations are the same irrespective of the number of animals moved between premises.

Eliminating “Head in Movement” as required field, unless otherwise necessary to meet a regulatory requirement, aims be responsive such stakeholder feedback and accelerate the adoption and implementation of a 21st century system of traceability across the breadth of the US Pork Industry.

SUBMITTED BY:

US SHIP US Traceability Working Group

SUBJECT MATTER:

Inter-premises Semen Movement Records: Eliminating
“Number of Units in Shipment” as a Required Field to be
Recorded Unless Otherwise Required to Meet a Regulatory
Requirement

Note: Applicable Only to Boar Studs

PROPOSED AMENDMENT TO EXISTING PROGRAM STANDARD:

CURRENT STANDARD:

The minimum information required to be recorded for each movement is:

- ☒ Date of Movement
- ☒ Origin State
- ☒ Origin Premises Identification Number (PIN)
- ☒ Destination State
- ☒ Destination Premises Identification Number (PIN)
- ☒ Number of Units in Shipment

PROPOSED AMENDMENT / UPDATE:

The minimum information required to be recorded for each movement is:

- ☒ Date of Movement
- ☒ Origin State
- ☒ Origin Premises Identification Number (PIN)
- ☒ Destination State
- ☒ Destination Premises Identification Number (PIN)
- ☒ Animal Type in Movement
- ☒ ± Number of Units In Shipment (Only When Needed to Meet a Regulatory Reporting Requirement)

Background/Reason:

It has come to our attention via the many ongoing industry level conversations related to “Traceability in the US Pork Industry” that reporting the “head in movement” seems to be a concern amongst a number of industry stakeholders.

This proposed amendment is being made to be consistent with the proposed amendment associated with removing “Head in Movement” as a required field to be recorded in inter-premises swine movement records, unless otherwise necessary to meet a regulatory requirement.

Please see proposed Update to Program Standard 2023 – 3.

Knowing the “Number of Units in Shipment” is not necessary to be able to capably track and trace the inter-premises movements of semen. The contact premises involved in such investigations are the same irrespective of the number of semen doses moved between premises.

Eliminating “Number of Units in Shipment” as required field, unless otherwise necessary to meet a regulatory requirement, aims be responsive such stakeholder feedback and accelerate the adoption and implementation of a 21st century system of traceability across the breadth of the US Pork Industry.

SUBMITTED BY: US SHIP General Conference Committee

SUBJECT MATTER: US SHIP Official State Agencies (US SHIP OSA) requirement to report and keep the status of the US SHIP certifications held by the participating sites current in the US SHIP Site Status Verification Database.

PROPOSED STANDARD:

US SHIP Official State Agencies are to report the current (most up to date) status of the US SHIP certifications held by the participating sites in their respective state to the US SHIP Site Status Verification Database.

Data elements to be reported to the US SHIP Site Status Verification Database:

- ☒ Premises Identification Number (PIN)
- ☒ State: the state where the Premise is located
- ☒ Status Type: US SHIP
- ☒ Pathogen: either ASF (African Swine Fever) or CSF (Classical Swine Fever)
- ☒ Status: can assume three definitions based on the health status: Monitored Free, Certification Expired, or Inactive

Participating sites officially recognized the status of the US SHIP certifications held as reported to the US SHIP Site Status Verification Database from the US SHIP Official State Agencies.

Background/Reason:

This item is being brought forward as a Program Standard to facilitate discussion and create clarity on this requirement for the US SHIP OSAs to report the status of the US SHIP certifications held by the participating premises in their respective state to the US SHIP Site Status Verification Database.

The US SHIP Site Status Verification Database application was developed in Spring 2023, stemming from an action item (program development need) discussed at the US SHIP 2022 HOD and is currently being onboarded for use on a State-by-State basis.

The US SHIP Site Status Verification Database is a built for purpose database application that provides a simplistic means for maintaining the current and officially recognized status of the US SHIP certifications held by the participating sites from across the US.

As described in this proposed program standard, only a minimum set of data fields are to be reported by the US SHIP Official State Agencies (OSAs) to the US SHIP Site Status Verification Database. All of the more detailed participant and premises level specific identifiers (e.g., names, addresses, locations, etc.) remain with the respective US SHIP OSA and **are not** reported to or contained in the US SHIP Site Status Verification Database.

The basic workings and use of the US SHIP Site Status Verification Database are pictorialized in **Addendum 1**.

The US SHIP Site Status Verification Database provides end-users a simplistic means to verify the status of the US SHIP certifications held by participating premises.

End users simply provide the Premises Identification Number (PIN) of the premises in question, and the US SHIP Site Status Verification Database application returns the status of the US SHIP certifications held by that premises.

End users and use cases of the US SHIP Site Status Verification Database include:

- State Animal Health officials can use to verify status of the US SHIP certifications held by premises moving pigs into their state for further breeding, growing, or exhibition.
- Slaughter facilities can use to verify the status of the US SHIP certifications held by the premises supplying pigs to their facility to be harvested.
- Exhibitions can use to verify the status of the US SHIP certifications held by the premises pigs being exhibited/shown.
- Live animal marketing operations channels can use to verify the status of the US SHIP certifications held by the premises supplying pigs to their facility.
- Producers can use to verify the status of the US SHIP certifications held by either their own premises or the premises of pigs of which they are purchasing or otherwise receiving pigs from third parties.

Key Point of Functionality the US SHIP Site Status Verification Database application for End Users = End users query the database via providing the PIN of the premises in question, and the database application simply returns the current status of the US SHIP certifications held by the premises (PIN) in question.

The US SHIP Site Status Verification Database application is a built for purpose database application that is readily compatible with and independent of, whatever software/database application or other means the US SHIP OSAs from across the country are using to house the participant/premises specific information and manage the workings of the US SHIP OSA in their respective state.

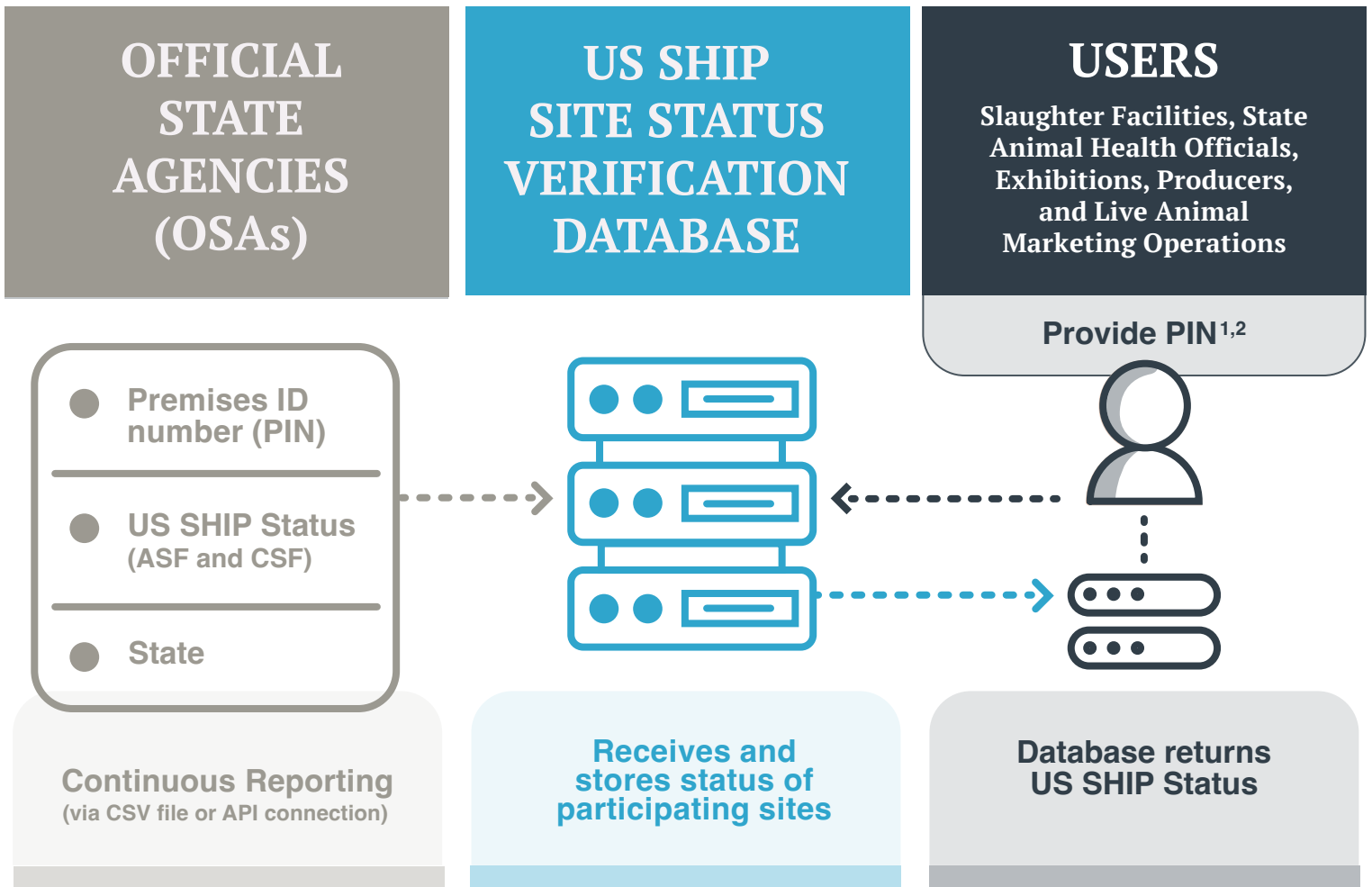
The US SHIP OSAs are the only entities permissioned to report the status of the US SHIP certifications held by the participants in their respective state to the US SHIP Site Status Verification Database.

The US SHIP Program Administration is responsible for managing the services provided by the US SHIP Site Status Verification Database.

The US SHIP Site Status Verification Database is currently being housed and maintained within the information technology infrastructure used to support the Department of Veterinary Diagnostic and Production Animal Medicine at the Iowa State University College of Veterinary Medicine.

ADDENDUM 1

US SHIP Site Status Verification Database Application



¹ Non-Registered Users can provide one PIN and get status returned one premises at a time.

² Registered Users can provide multiple PINS and get status of multiple premises returned via CSV file or API connection.

SUBMITTED BY: US SHIP Sampling & Testing Working Group

SUBJECT MATTER: Program Administrative Requirement: Incorporating Use of USDA ASF/CSF Active Surveillance of Case Compatible Submissions to Veterinary Diagnostic Labs Into the US SHIP ASF/CSF Monitored Certification Program.

PROPOSED STANDARD:**Additional Program Administrative Requirement for US SHIP Sampling & Testing:**

ASF/CSF test records of case-compatible submissions from US 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 US SHIP Official State Agencies and State Animal Health Officials Premises are to be provided access to the total number and specific US 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 US SHIP ASF/CSF Monitored premises being surveilled via this USDA ASF/CSF Active Surveillance program are to be made available to broader US pork industry stakeholder audiences.

Effective date, April 1, 2024. (i.e., Approximately 6 months from 2023 US SHIP HOD)

Notes:

1. US SHIP Program Administrative Requirements are relevant to all US SHIP Sampling and Testing. However, the initial focus of this requirement and associated deliverables centers on US SHIP ASF/CSF Risk Level 1 (ASF/CSF Not Present in US / Peacetime).

Risk Level 1 = ASF/CSF Not Present in US (Peacetime)

Risk Level 2 = US Positive, Operations Normalizing, State or Region Negative.

Risk Level 3 = US Positive, Immediately after Incursion, or if State or Region Positive.

All US SHIP ASF/CSF Monitored Sampling & Testing is Outside of Control Areas

2. This proposed US 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.

Background/Reason:

This proposed update to US SHIP Sampling and Testing Program Administrative Requirements stems from the recommendations of a sub-committee of the US SHIP Sampling and Testing Working Group assembled in Spring 2023 whose principal focus centered on “peacetime” (ASF-CSF Risk Level 1 = US Free of ASF/CSF) surveillance.

This working group, led by Mike Paustian (Producer, IA) and Howard Hill (Producer, IA) considered a number of different options related to potential “peacetime” surveillance requirements within the context of the US SHIP ASF/CSF Monitored certification.

The principle go-forward recommendation from this working group to be brought forth for consideration at the 2023 US SHIP House of Delegates was to: “Establish a means for linking the current USDA ASF/CSF active surveillance of case compatible submissions to VDLs to be incorporated into US SHIP ASF/CSF Monitored peacetime surveillance.”

Outlined here is a proposed update to the US SHIP Sampling & Testing Program Administrative Requirements. This is a US SHIP program level administrative requirement and does not infer any additional premises-specific “peacetime” (ASF-CSF Risk Level 1”) sampling and testing requirements for participating premises. Similarly, this proposed update would 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.

Please see the accompanying Resolution 2023 – 4, entitled “Developing a Pathway for Incorporating the USDA ASF/CSF Active Surveillance of Case Compatible Submissions to Veterinary Diagnostic Labs into US SHIP Sampling and Testing,” for further explanation and context.

A more comprehensive report and options considered by the US SHIP Sampling and Testing subcommittee on “Peacetime” (ASF-CSF Risk Level 1) surveillance will be shared at the 2023 US SHIP House of Delegates.

Resolutions

Definition: Resolutions: Charges to pursue initiatives or further explore specific issues that aim to further inform US SHIP program content and direction.

Approval of Resolutions require majority vote by the US SHIP HOD.

The proposed Resolutions represent some portion of the work product and recommendations of US SHIP Technical Working Groups centering on topics related to Biosecurity, Traceability, and Sampling and Testing convened in the spring 2023. The principal charges provided to the various working groups stem back to the series of Resolutions passed at the US SHIP HOD 2022.

It should be understood that US SHIP is an industry, state, and federal partnership en-route to be a USDA Swine Health Program (modeled after NPIP's longstanding system of shared governance) that centers on certifying the health of US swine in accordance with well-defined program standards.

Any project-based work involving research, new system development, collaborative forums, outreach, education, and advocacy for US SHIP related efforts are only possible through the support and self-evident synergies working in partnership with the national pork producer, packer, and swine veterinary organizations (i.e., National Pork Board, National Pork Producers Council, Swine Health Information Center, North American Meat Institute, and the American Association of Swine Veterinarians).

The Resolutions passed at the 2022 US SHIP HOD are available on the US SHIP website under Documents (usswinehealthimprovementplan.com).

RESOLUTION NUMBER:

2023 – 1

SUBMITTED BY:

US SHIP Traceability Working Group

*Introductory Note from
Submitters:*

The US SHIP Traceability Working Group recognizes this concept of utilizing the services of an active / working “US Compliant Repository of Inter-Premises Swine Movement Records” as described and proposed here is complex.

This concept will require further explanation and significant discussion amongst industry, state, and federal partners at the US SHIP HOD. US SHIP HOD meeting participants are encouraged to take time to study this Resolution, Addendum I, and Addendum II in detail prior to the meeting.

SUBJECT MATTER:

Utilization of a “US SHIP Compliant Repository of Inter-Premises Swine Movement Records” for Capturing Movement Records of Swine Being Moved Interstate for Further Growing, Breeding, or Exhibition in Near Real-Time Across a Number of US States.

WHEREAS,

The US pork industry is highly dependent on interstate pig movement and the ability to export pork products.

WHEREAS,

The ability to proficiently track and trace inter-premises movements of live swine across the breadth of US pork industry participants is a foundational element of foreign animal disease preparedness.

WHEREAS,

In the event of an animal health emergency, such proficiencies are critical in being able to competently represent the health status of pigs and maintain the continuity of business across supply chains, areas, states, and regions over an extended response and recovery period,

WHEREAS,

Current capabilities to proficiently track and trace the masses of swine moving intra and interstate is a well-recognized “mission critical foreign animal disease preparedness vulnerability” for the greater expanse of the US pork industry,

WHEREAS,

Scalable approaches for being able to capably track and trace inter-premises movements of live swine in near real-time (within 7- days of movement) have become commonplace in various shapes and forms in pork exporting countries throughout the world. Such capabilities have been developed over the course of time as an outcome of being routinely implemented as a market-driven or compulsory requirement within their respective countries (i.e., figured out what works by doing/implementing),

WHEREAS,

The 2022 US SHIP HOD charged a multidisciplinary working group of industry, state, and federal partners to more fully vet:

- a. Alternative approaches that could be taken towards meeting a prescribed standard requiring reporting inter-premises movements of swine to a “US SHIP Compliant Repository of Inter-Premises Swine Movement Records” within 7- days of movement.
- b. The requirements, functionality, and operational covenants necessary for entities to be recognized and function as a “US SHIP Compliant Repository of Inter-premises Swine Movement Records.”

WHEREAS,

Movement records of swine being moved interstate for the purposes of further breeding, growing, or exhibition have long been required to be reported to the State Animal Health Official of the state of destination in accordance with a Certificate of Veterinary Inspection or Swine Production Health Plan.

WHEREAS,

The methods used, format, and the degree of sophistication in which such interstate movement records of swine are captured and archived are highly variable within and across US states. As such, these inter-premises movement records are commonly not well-suited to support highly scalable or proficient track and trace procedures.

WHEREAS,

National Pork Board has developed AgView for the purpose of providing a National Swine Movement Repository that includes all swine movement data, including interstate movements.

WHEREAS,

National Pork Board is currently developing AgView to be a repository for Swine Production Health Plans which includes the sharing of movement records of swine moving interstate for purposes of further growing or breeding within a production system.

WHEREAS,

Furthering developing and evaluating this concept of participants using a “US SHIP Compliant Repository of Inter-Premises Swine Movement Records” utilizing movement records of swine that already have to be reported to the State Animal Health Officials of the state of destination would seem like a logical place to start, learn from, build stakeholder confidence and competence in using, and further inform next steps in a journey towards establishing a 21st-century system of traceability in the US pork industry.

Now, therefore be it RESOLVED:

The US SHIP House of Delegates requests the initiation of the use of a “US SHIP Compliant Repository of Inter-Premises Swine Movement Records” (**Pictorialized in Addendum 1**) to capture movement records of swine being moved interstate for the purposes of further breeding, growing, or exhibition in near-real time by a number of US states.

Be it further RESOLVED:

The permissioned database application used and the entity responsible for managing and providing the services of the “US SHIP Compliant Repository of Inter-premises Swine Movement Records” in this proposed pilot project are to meet or exceed a baseline set of operational covenants and functionality requirements drafted by the US SHIP Traceability Work Group in 2023 (**Described in Addendum 2**).

Be it further RESOLVED:

The entity responsible for managing and providing the services of the “US SHIP Compliant Repository of Inter-premises Swine Movement Records” in this proposed pilot project is accountable for providing customer support services to both the **Industry Participants** responsible for depositing the movement records into the Repository as well as the **Permissioned Users** (i.e., State Animal Health Officials and US SHIP Official State Agencies) of the US SHIP Compliant Repository of Inter-premises Swine Movement Records.

Note: The entity responsible for managing and providing the services of the “US SHIP Compliant Repository of Inter-premises Swine Movement Records” for this pilot project is envisioned to function as a “Bureau of Inter-Premises Swine Movement Records”.

Be it further RESOLVED:

The US SHIP House of Delegates requests that pork producers and states that import the largest number of pigs for growing, breeding, and exhibition actively participate in this pilot project and work collaboratively in such a way that the services provided by the “Repository of Inter-premises Swine Movement Records” meet the requirements for reporting such interstate movements of swine into each participating state.

Be it further RESOLVED:

The US SHIP House of Delegates requests representatives of the US SHIP Traceability Working Group, National Pork Board, and participating State Animal Health Officials work in unison to further develop and utilize a built for purpose module within the AgView™ database application (developed by National Pork Board) and the accompanying software support services to be used by the entity (Bureau of Inter-Premises Swine Movement Records) determined to be responsible for managing and providing the services of the “Repository of Inter-premises Swine Movement Records” utilized in this proposed initiative.

Now, therefore be it RESOLVED:

The US SHIP House of Delegates requests a progress report of the learnings, outcomes, and ongoing operations of this pilot initiative to be presented to the 2024 US SHIP HOD.

Progress report to be inclusive of feedback from:

- Program participants (Producers)
- State Animal Health Officials
- Entity responsible for managing/providing services of the Repository in this initiative.
- AgView – software/database application used to support services being provided.

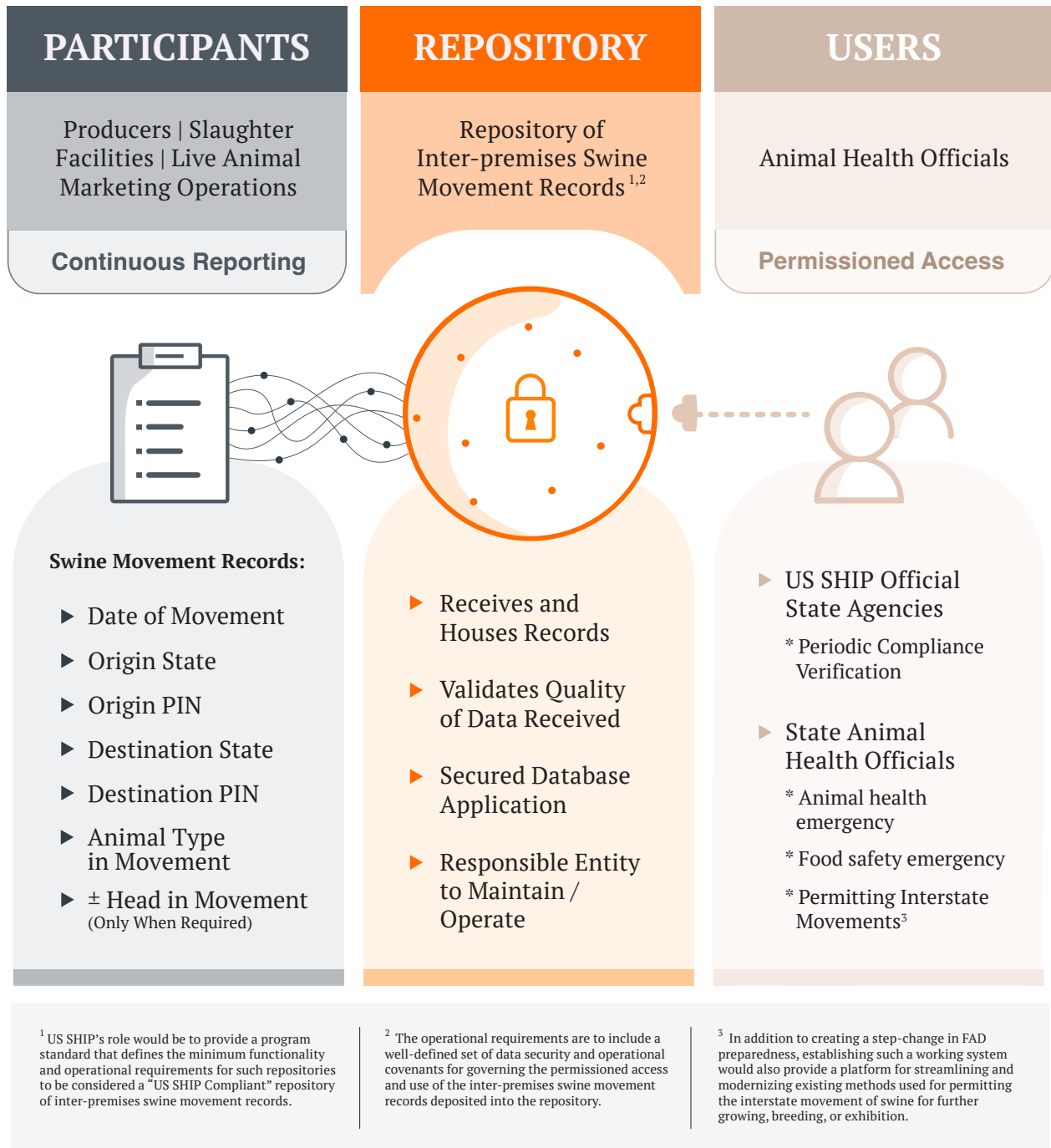
Additional Note of Explanation:

It should be understood that this concept of industry participants depositing inter-premises swine movement information into active / working “US Compliant Repository of Inter-Premises Swine Movement Records” for specified use cases is independent of the software or other tools being used by program participants to generate and house the more detailed inter-premises swine movement records for their own operational specific management purposes.

ADDENDUM 1

A Model For Proficiently Capturing and Securing Inter-Premises Swine Movement Records in Near Real-Time

"A Potential Pathway to 21st Century Traceability across US Pork Industry"
"Capable of Providing for a True Step Change in FAD Preparedness"



ADDENDUM 2

US SHIP Compliant Repository of Inter-Premises Swine Movement Records

Initial Set of Operational Covenants and Functionality Requirements for Pilot:

- **Managing Entity** (i.e., Bureau of Inter-premises Swine Movement Records):
 - Repository of Inter-premises Swine Movement Records must have a Managing Entity responsible for provision of services provided:
 - Maintain and operate the functions of the Repository.
 - Provide customer support services to the Industry Participants responsible for depositing data into the Repository as well as the Permissioned Users of the Repository.
- **Database Requirements of Repository:**
 - Provides Participants one or more options (methods) to electronically deposit inter-premises swine movement records that have occurred into the Repository.
 - Validates data fields of the movement records to ensure the completeness of records housed in the Repository.
 - Securely houses the inter-premises swine movement records deposited into the Repository.
 - Provides permissioned access to the inter-premises swine movement records deposited into and housed in the Repository to the appropriate US SHIP Official State Agencies and State Animal Health Officials for well-defined purposes / use cases.
 - Provides permissioned connectivity (e.g., via permissioned access API) enabling the capabilities for seamless sharing of the inter-premises swine movement records housed in the “US SHIP Compliant Repository of Inter-premises Swine Movement Records” to the various Animal Health Program Management Database Applications (e.g., USA Herds, Trace First, and EMERS, etc.) being used by the State Animal Health Officials to manage the animal health regulatory functions and emergency disease responses activities in their respective state.
 - Provides technical (software) support of the database application used.
- **Permissioned Data Sharing of the Inter-premises Swine Movement Records Deposited into and Housed in the Repository:**
 - US SHIP Official State Agencies are to be provided access to the movement records of participating premises within their respective state for the purposes of periodically confirming compliance with the reporting requirements necessary for program participants to ascertain or maintain compliance with the US SHIP certification(s) held.
 - State Animal Health Officials are to be provided access to the interstate movements records of swine moving into their state in such a manner that meets the reporting requirements of their respective state.

- In the event of a confirmed introduction of ASF or CSF into the US, State Animal Health Officials are to be provided access to the inter-premises swine movements occurring within, into, or out of their state for purposes of supporting the trace-in / trace-out procedures associated with FAD response related efforts.
- Data-sharing beyond purposes outlined above is strictly prohibited.

Additional Note of Explanation:

These Operational Covenants and Functionality Requirements of a “US SHIP Compliant Repository of Inter-premises Swine Movement Records” for use in the proposed initiative were drafted by a US SHIP Working Group on Traceability in 2023. The experiences gained via implementing the proposed initiative aim to further inform an initial set of Operational Covenants and Functionality Requirements of a “US SHIP Compliant Repository of Inter-premises Swine Movement Records” to be brought forth for consideration and vote by a future US SHIP HOD.

RESOLUTION NUMBER:	2023 – 2
SUBMITTED BY:	Rodger Main (Interim US SHIP GCC Member)
SUBJECT MATTER:	Establishment of a US SHIP Exhibition Swine Working Group that centers on developing a well-informed and sustainable (long-term) strategy for engaging and encouraging participation among the exhibition swine community.
WHEREAS,	Pork producers breeding and growing pigs that are being exhibited at local, regional, or national exhibitions are a highly important component of the US pork industry.
WHEREAS,	Developing this US SHIP ASF-CSF Monitored certification program in such a way that encourages high rates of participation across the full-spectrum of industry participants is a foundational element necessary for protecting and being able to represent the health status of domestic pig production operations across supply chains, areas, states, and regions.
WHEREAS,	Pork production operations of all shapes and sizes share the common interests of wanting to protect the health of the pigs within their care and maintain the ability to readily move hogs within or across state lines for the purposes of further growing, breeding, exhibition, or sale over the course of a trade impacting disease response and recovery period.
WHEREAS,	In addition to creating a step-change in foreign animal disease preparedness, establishing this US SHIP ASF-CSF Monitored certification also presents as a platform that could be used to streamline and modernize existing methods used for routinely permitting the interstate movement of swine for further growing, breeding, or exhibition in the future.

Now, therefore be it RESOLVED:

The US SHIP House of Delegates requests the establishment of a US SHIP Exhibition Swine Working Group that centers on developing a well-informed and sustainable (long-term) strategy for engaging and encouraging participation amongst the exhibition swine community in the US SHIP.

This US SHIP Working Group should be led by and consist principally of pork producers that are active and thought leaders in the US exhibition swine community, along with advisement of a practicing veterinarian who routinely provides services to the exhibition swine clientele, a State Animal Health Official, and member of the USDA APHIS swine staff.

US SHIP Program Administration (inclusive of the Exhibition Swine Member on the General Conference Committee to be elected at the 2023 US SHIP HOD) are to seek guidance on ascertaining producers interested in volunteering their time to serve on this working group from the National Swine Registry, Certified Pedigree Swine, American Berkshire Association, National FFA and 4-H Organizations, State Pork Association(s) with a highly active exhibition swine community, and the National Pork Board.

Intended Outcomes:

A well-documented set of recommendations and guidance to be provided to the US SHIP Program Administration, US SHIP General Conference Committee, US SHIP Official State Agencies, and be shared, presented, and discussed more broadly at the 2024 US SHIP House of Delegates.

RESOLUTION NUMBER: 2023 – 3

SUBMITTED BY: US SHIP Feral Swine Mitigation Working Group

SUBJECT MATTER: Integration of Feral Swine Mitigation Plan into Secure Pork Supply Plan

WHEREAS, The US Swine Health Improvement Plan (SHIP) is a collaborative effort involving industry, state, and federal officials tasked with establishing a “national playbook” of technical standards associated with biosecurity, traceability, and sampling/testing,

WHEREAS, The 2022 US SHIP HOD passed a resolution to commission a working group to further define mitigation measures to minimized the threat of direct contact of feral swine to US-SHIP participating sites,

WHEREAS, A completed Secure Pork Supply Enhanced Biosecurity Plan is a program requirement for certification in US-SHIP for boar studs, breeding herds, growing pig and farrow to feeder/finish sites.

WHEREAS, The Secure Pork Supply Plan is scheduled to undergo a review and possible revision to its program standards beginning in 2024.

WHEREAS, A recently completed literature review established that the likelihood of ASF disease transmission from direct contact between feral swine and swine with outdoor access was significantly higher than with swine housed indoors.

Now, therefore be it RESOLVED:

The US SHIP House of Delegates requests the commissioning of a working group to work with the National Pork Board Secure Pork Supply Working Group to advise revisions within Secure Pork Supply’s resources to include the incorporation of a feral swine mitigation plan for animals with outdoor access.

RESOLUTION NUMBER:

2023 - 4

SUBMITTED BY:

US SHIP Sampling & Testing Work Group

SUBJECT MATTER:

Developing a Pathway for Incorporating the USDA ASF/CSF Active Surveillance of Case Compatible Submissions to Veterinary Diagnostic Labs into US SHIP Sampling and Testing.

Initial Target / Focus:

Peacetime = Risk Level 1, ASF/CSF not present in US

WHEREAS,

USDA APHIS initiated the ASF/CSF Active Surveillance Program of case compatible submissions made to veterinary diagnostic labs (i.e., labs in the USDA National Animal Health Laboratory Network) in 2019 in response to the growing risks of ASF globally,

WHEREAS,

The USDA ASF/CSF Active Surveillance Program in NAHLN labs has continued to evolve overtime and provides for a very targeted and efficient means for contributing to the ASF/CSF surveillance of US Swine,

WHEREAS,

Incorporating the use of the USDA ASF/CSF Active Surveillance of case compatible submissions to veterinary diagnostic labs in the US SHIP ASF/CSF Monitored certification program presents as an opportunity to leverage this existing surveillance stream and further enhance the breadth and depth of benefits and overall effectiveness of the ASF/CSF surveillance of US swine and overall FAD preparedness without placing additional costs or administrative burden upon participants,

WHEREAS,

Including the Premises Identification Number (PIN) in the veterinary diagnostic record of case compatible submissions is the key element needed to provide a seamless means of incorporating the use of this existing surveillance stream into the US SHIP ASF/CSF Monitored certification program,

Now, therefore be it RESOLVED:

The US SHIP House of Delegates requests the US SHIP Program Administration to work with USDA Swine Health Program Staff, USDA NAHLN, and CEAH to establish a process for and begin reporting the number of samples and premises being surveilled (tested) for via the USDA ASF/CSF Active Surveillance of case-compatible submissions to USDA NAHLN labs that are originating from US SHIP ASF/CSF Monitored premises.

The principle objective (ask) is to get this system established in the coming year with the aim of having this ASF/CSF active surveillance stream incorporated into the US SHIP ASF/CSF peacetime surveillance by April 1, 2024 (i.e., approximately 6-months from 2023 US SHIP HOD).

Key components of reporting:

- Aggregate level surveillance data to be summarized overall and by state of origin.
- State of origin = State in which the US SHIP participant premises from which the clinical samples tested originate is located.
- Aggregate level summary information to be made available to broader US SHIP stakeholder audiences.
- US SHIP Official State Agencies and State Animal Health Officials Premises are to be provided access to the total number and specific US SHIP participating premises being surveilled via this surveillance stream in their state.

See Addendum 1 attached for reference: Basic description of the envisioned process for incorporating the use of the ASF/CSF Active Surveillance into the US SHIP ASF/CSF Monitored certification program.

Be it further RESOLVED:

The US SHIP House of Delegates requests the US SHIP Program Administration to work in partnership with US animal health and pork industry organizations to raise pork producer/veterinary practitioner/diagnostician awareness, understanding (how to), and participation in the USDA ASF/CSF Active Surveillance of US Swine via submission of case-compatible submissions to USDA NAHLN labs.

Note: Participation in US SHIP and including adequate case history information and the premises identification number (PIN) of the premises of origin on case-compatible submissions to USDA NAHLN labs are the key US pork industry participant responsibilities for optimizing the value and successfully incorporating this surveillance into US SHIP.

USDA APHIS is currently funding the ASF/CSF PCR testing costs of this ASF/CSF Active Surveillance of case-compatible submissions at USDA NAHLN labs.

ADDENDUM 1

Basic description of the envisioned process for incorporating the use of the ASF/CSF Active Surveillance into the US SHIP ASF/CSF Monitored certification program.

1. US SHIP participants submit case-compatible submissions to veterinary diagnostic labs in the National Animal Health Lab Network certified to conduct ASF/CSF testing.

Case-compatible submissions include:

- Adequate case history information of clinical signs being observed.
- Appropriate samples from clinically affected pigs sampled (e.g., spleen, tonsil, lymph-nodes, spleen-pulp swabs, blood swabs, or whole blood).
- Complete premises-level demographic information of the site of origin (e.g., minimally Site Name, Premises Identification Number (PIN) and State)

Note: The USDA is currently funding the ASF/CSF PCR testing costs of this ASF/CSF Active Surveillance of case-compatible submissions at veterinary diagnostic labs in the National Animal Health Lab Network certified to conduct ASF/CSF testing.

2. USDA NAHLN labs message test results and associated demographic information message to USDA (i.e., to NAHLN Laboratory Messaging Service, or LMS).
3. USDA utilizes this information received into LMS to ping the US SHIP Site Status Verification Database Application to assign the US SHIP ASF/CSF Monitored site status (i.e., US SHIP ASF/CSF Monitored or Not) to the premises level test result record.
4. USDA responsible for providing the US SHIP Official State Official State Agency and the State Animal Health Official access to the total number and specific US SHIP participating premises being surveilled via this surveillance stream in their state.
5. USDA / US SHIP Program Staff responsible for reporting the aggregate level summary data illustrating the total number of samples tested and US SHIP ASF-CSF Monitored premises surveilled via this stream each month / quarter / year.

Note: This proposed Resolution (“Developing a Pathway for Incorporating the USDA ASF/CSF Active Surveillance of Case Compatible Submissions to Veterinary Diagnostic Labs into US SHIP Sampling and Testing”) 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.

US SHIP General Conference Committee (GCC)

Summary Description (What is the US SHIP GCC?):

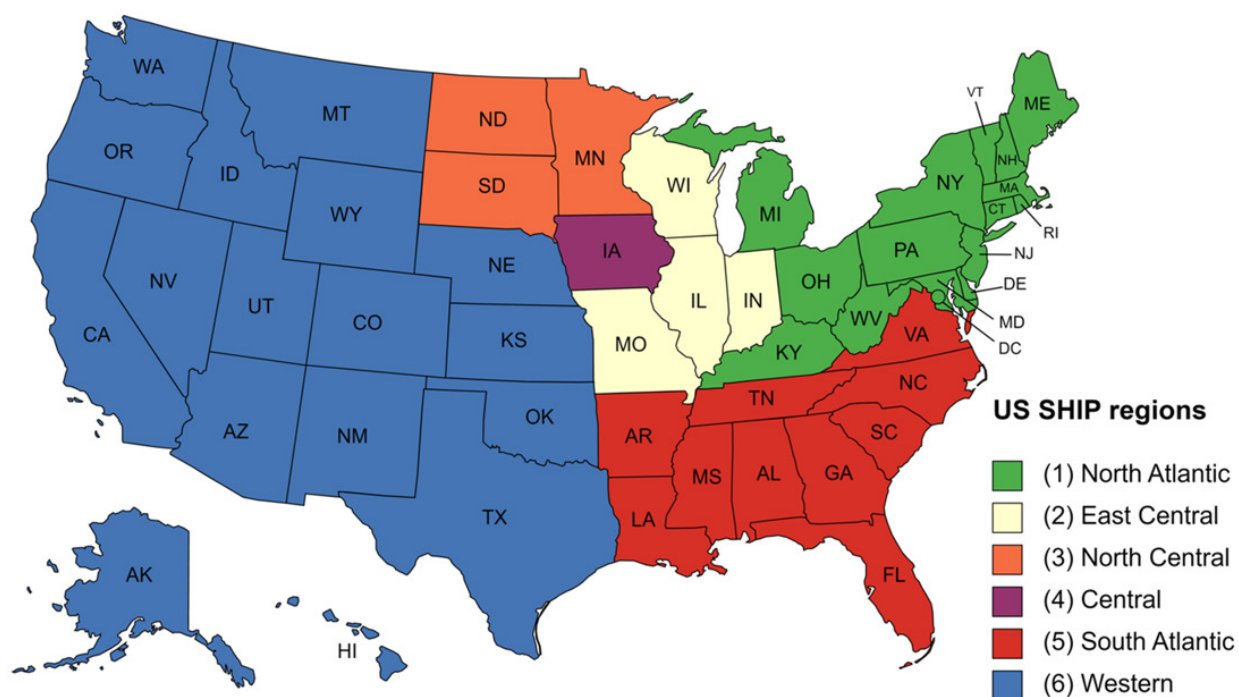
A federal advisory committee to USDA APHIS and the US Secretary of Agriculture on matters relating to swine health and the administration of US SHIP¹.

Note: The GCC members are to represent the points of view of all types of swine producers, livestock marketing operations, and slaughter facilities.

Composition of US SHIP GCC:

6 Regional members and 3 At-large members.

- Six Regional Members: (elected by delegates in said Region at US SHIP HOD)



- Three At-Large Members: (elected by the entire delegate body at US SHIP HOD)

- Packer/Slaughter Facility Member
- Exhibition Swine Member
- Unrestricted At-Large Member

Description of Purpose and Duties:

1. The purpose of the US SHIP General Conference Committee (GCC), representing cooperating state agencies and swine industry members, is to act as a liaison between the swine industry and the USDA/APHIS. The GCC maintains and ensures industry involvement and advises the Secretary of Agriculture on matters relating to swine health and administration of the US SHIP.
2. The duties of the US SHIP GCC members involve:
 - a) Assisting USDA/APHIS US SHIP staff in planning, organizing, and conducting the annual US SHIP House of Delegates (HOD) conference, and Between HOD conferences, the GCC represents the cooperating States in advising USDA/APHIS on administrative procedures and interpretations of US SHIP provisions, and
 - b) Advises and makes recommendations to USDA/APHIS on the relative importance of maintaining adequate departmental funding for US SHIP to enable the Senior Coordinator and staff to fully administer the provisions of the Plan, and
 - c) Assisting USDA/APHIS in evaluating comments received from interested persons concerning proposed amendments to the US SHIP provisions, and
 - d) Recommending to the Secretary of Agriculture any changes in US SHIP provisions when postponement until the next US SHIP HOD Conference would seriously impair the operation of the program; and
 - e) Serving as a forum for the study of problems relating to swine health.
3. GCC members will serve a 3-year term of service, with no limits to the number of terms served.

Each of the 6 regional members will be elected by their respective regions and at-large members will be elected by the entire US SHIP HOD voting delegation^{2,3,4}.

Footnotes:

¹The US SHIP GCC is enroute to be an officially recognized federal advisory committee upon the codification of US SHIP at the end of CY 2024. The initial US SHIP GCC elections will be held at the 2023 US SHIP House of Delegates Meeting in Bloomington, Minnesota.

² No more than two members of any standing General Conference Committee may be employed by or associated with the same business entity.

³ When there is a mid-term vacancy for a GCC position, the General Conference Committee shall make an interim appointment. The appointee shall serve until the next House of Delegates when an election is held. That election will be to fill the remaining term of the vacated position.

⁴ In efforts to create an element of future continuity amongst the GCC members, the initially elected GCC members initial term of service will be staggered as follows: Regions 3 & 4 and Exhibition (1 year term); Regions 1 & 2 (2 year term), Regions 5 & 6 (3 year term).

GCC 2023 Nominees

Region 1 – North Atlantic

States: CT, DE, KY, ME, MD, MA, MI, NH, NJ, NY, OH, PA, RI, VT, and WV



Don Davidson, DVM, MS

Don Davidson is Director of Veterinary Services for Cooper Farms. He oversees staff veterinarians and production teams, health, and biosecurity for all of the live animal division, turkey and hog grow out, and feed mills.

Cooper Farms is a diversified farm and food company based in Northwest and West Central Ohio which hatches over 15 million turkey poults, 200,000 turkey breeder hens, and starts 7 million tom turkeys a year.

Cooper Farms has 34,300 sows and markets over 900,000 pigs a year. And, Cooper Farms has 6.2 million laying hens which produce over 155 million dozen table eggs a year.

Prior to coming to Cooper Farms in 2014, Dr. Davidson was the

Director of Production for PFFJ /Hormel Foods (Farmer John) in Snowflake, Arizona with 54,000 sows and 1.2 million wean and market pigs located in California, Arizona, Wyoming, and Colorado from 1992 to 2014. From 1986 to 1990 Dr. Davidson was in a mixed animal private practice in Bellefontaine, Ohio.

Dr. Davidson earned his BS degree in 1982 and DVM degree in 1986 from The Ohio State University. In 1992 he earned a MS degree from the University of Illinois in the IFAMS program (Integrated Food Animal Management Systems).

Dr. Davidson is active and serves on several professional and industry organizations and groups.

Dr. Davidson is originally from Sidney, Ohio and now resides in Celina, Ohio.

Reason for Running for the US SHIP GCC:

I have been involved in the pork industry all of my professional career. I am now working with Cooper Farms which is both a pork and poultry company.

Since being with Cooper Farms I have become involved in the National Poultry Improvement Plan (NPIP) which the US SHIP is being modeled after. I have seen how the collaboration of the private and public poultry industry has benefited the poultry industry.

I strongly believe a similar plan for the swine industry will advance our industry to maintain markets, control and eliminate disease and provide operational standards for all segments of the swine industry

Region 2 – East Central

States: IL, IN, MO, and WI



Howard (AV) Roth,

Howard “AV” Roth Jr. is a fifth-generation farmer who owns and operates Roth Feeder Pig, Inc. which includes 3000 sows in a farrow-to-wean enterprise marketing over 75,000 head annually. The business also includes 1200 acres of corn, oats, and alfalfa along with a black Angus herd.

AV is FFA and AGR Alumni. He has served on many local, state, and national committees, including Past President of the Wisconsin Pork Association and Past President of National Pork Producers Council. Roth attended the University of Wisconsin-Platteville.

AV and his wife Christine have 7 children and reside on the family farm in Wauzeka, Wisconsin.

Reason for Running for the US SHIP GCC:

I worked very hard with the National pork producers council to secure funding to protect our borders and fight FAD in other countries now the next step is to be prepared to fight FAD in our barns on our own soil if this is done right we will have a chance to fight any disease. This is so important to me because if we lose the 30% of our pork consumed outside our borders. It will probably be my family farm going under.

Region 3 – North Central

States: MN, ND, and SD



Nick Bundermann,

Nick is the manager of 18,000 head nursery and 20,000 head finishing sites in Cando ND.

He is a current member of the ND Pork Council.

Nick has worked his way up through the swine operation, first working at the sow barn as a breeder and then working his way up to his current position.

Nick holds a BS in wildlife biology from the University of North Dakota and he is currently serving on the North Dakota Pork Council. Nick enjoys spending time with his wife Lindsay, and daughters Emma and Madison.

Reason for Running for the US SHIP GCC:

Being on the US SHIP GCC would allow me to give back to the industry as well as give and gain insight into some of the current and future health, disease and policy issues.

Being in the barns doing daily chores gives me the perspective of day-to-day operations as well as also having to look at the big picture of weekly shipping and planning.

Region 3 – North Central

States: MN, ND, and SD



Shane Odegaard,

Shane Odegaard and his family operate Odegaard Family Farms at Lake Preston, SD. Odegaard Family Farms is a diversified livestock and grain farm. They operate a farrow-to-finish hog farm, a small cow/calf herd, and a 4,000 head contract nursery. They also grow soybeans and corn.

Odegaard Family Farms is owned and operated by Shane, his brothers Justin and Shaun, his Uncle Randy, his cousin Michelle and her husband, Heath.

Shane has been active in South Dakota Pork Producers Council for nearly 12 years, most recently serving as President in 2021 and 2022. Shane has also served on various committees such as Demand enhancement, public policy, and membership outreach

and engagement, to mention a few.

He has also been involved with various local and state organizations in the community and state.

Reason for Running for the US SHIP GCC:

My interest in herd health is of high priority on our farm. With the ongoing threat of PRRS and the challenges that come with that can have a huge impact on the sustainability of our farm and pork industry.

With the threat of a FAD breaking in the US and the impacts it will have on us producers and the food supply it is important that we become proactive to minimize the impact and the spread.

By becoming involved with SHIP we can work together and get a program in place to protect our farms and the food supply worldwide.

Region 3 – North Central

States: MN, ND, and SD



Michael Walker,

Michael Walker earned a BS in Agriculture Studies at Iowa State University.

In his 23-year career he has primarily been at Christensen Farms focused on production for the first 16-years while the last 7 years has been focused on Business Development.

Currently Michael serves on the Minnesota Emergency Disease Management Committee by supporting the Depopulation & Disposal, Permitting, and Regionalization Sub-committees since 2019.

Michael has also had the opportunity to serve on multiple task forces with National Pork Board.

Michael and his wife, Cassie, are always on the move with their 4 daughters ranging from 2 to 15 who are involved in hockey, softball, volleyball, and gymnastics.

Michael and his family have lived in the small town of Belview, Minnesota for the last 7 years.

Reason for Running for the US SHIP GCC:

I am running for a seat on the US SHIP GCC because I believe in what the program has been able to accomplish to and what the potential of the program holds. I believe that US SHIP represents our industries best opportunity to have a holistic approach to preventing a catastrophic event of ASF and CSF within the US.

This is the culmination of tremendous work that has been put in by all in the industry as well as government officials at the state and national level. Prevention of these two diseases within the US is of the up most importance for all of our stakeholders. From those delegates representing the swine industry from their states to all within agriculture.

I firmly believe that we will succeed in our mission and that this work is the bedrock for continuity of business for all of us. I am proud to have had the opportunity to serve as the Chair for the Interim GCC over the past year and would ask to serve this industry as an elected steward of US SHIP again.

Region 4 – Central

State: IA



Mike Paustian, PhD

Mike is a 6th generation farmer from Walcott, Iowa, who operates a 1200-sow farrow-to-finish operation with his family. The farm also grows corn and soybeans on 1400 acres.

Mike received a Ph.D. in microbiology and worked as a research scientist at the National Animal Disease Center before returning to the family farm.

He has served as a past president of the Iowa Pork Producers Association and on several national committees and working groups.

Mike and his wife Amy stay busy keeping track of 3 teenagers whom all know how to operate a power washer.

Reason for Running for the US SHIP GCC:

I want to be a US SHIP GCC member because in the short term I believe it will be a critical component of foreign animal disease preparedness for the pork industry.

Looking further into the future, my hope is that US SHIP could also become a platform for eliminating or reducing the impact of many endemic diseases as well.

To accomplish this, we need to build a science-based program that will also provide tangible value to individual producers of all sizes.

I hope to use my science background to help bridge the communication gaps between producers, scientists and regulatory agencies at the state and national level.

Region 5 – South Atlantic

State: AL, AK, FL, GA, LA, MS, NC, PR, SC, TN, and VA



Mary Battrell, DVM, MS

Dr. Mary Battrell earned her DVM and MS degrees from Iowa State University.

She also holds a MS in Animal Science from the University of Tennessee and BS in Agriculture from The Ohio State University.

She is a staff veterinarian for Smithfield Foods Central Region which manages 250,000 sows farrow-to-finish in eastern North Carolina.

She has been with the company for more than 20 years and is actively involved in the development of the Smithfield Animal Care Program and their Contingency Plan for Foreign Animal Disease.

Dr. Battrell was the recipient of the 2018 Swine Veterinarian of the Year awarded by the American Association of Swine Veterinarians and served as the associations President in 2021.

Reason for Running for the US SHIP GCC:

Many people I know and care about depend on the swine industry as a means of providing for their family. It is imperative that we work together to make wise decisions, that are not over burdensome to protect this great industry.

I agree that SHIP is the most appropriate format for collaboration to safeguard, certify and improve the health of the US swine industry, and I would like the opportunity to contribute as a member of US SHIP GCC.

Region 6 – Western

States: AK, AZ, CA, CO, HI, ID, KS, MT, NE, NV, NM, OK, OR, TX, UT, WA, and WY



Christine Mainquist-Whigham, DVM, MS

Dr. Mainquist-Whigham is the Director of Health for Pillen Family Farms/DNA Genetics Nucleus. Her role includes overseeing the herd health and biosecurity of the two systems.

A native of Stanton, Iowa and raised on a family farm, she pursued science and agriculture, earning a B.S. in biochemistry and molecular biology from Nebraska Wesleyan University in 2012.

Christine graduated from Iowa State University College of Veterinary Medicine in 2016 with her DVM and Master's Degree in Veterinary Preventive Medicine.

In 2022 she completed the Executive Veterinary Program at the

University of Illinois.

Christine resides in Columbus, NE with her husband Alex and son Callum.

Reason for Running for the US SHIP GCC:

The US SHIP program is a great opportunity for our industry to set biosecurity, traceability, and disease monitoring standards. These standards should aid in the continuity of business and trade in the event of foreign animal disease concerns.

I believe in the efforts already in place from the early adopters and want to continue to grow the program, ensure the program aligns with the needs of the pork industry, and promote education and outreach.

At – Large: Exhibition Swine Member



Jesse Heimer,

Jesse Heimer, Taylor, Mo., owns and operates Heimer Hampshires, a nationally renowned show pig operation where more than 600 purebred and crossbred litters are farrowed annually and marketed coast to coast.

A third generation pig farmer, Jesse is committed to developing the best genetics in the industry while keeping high standards for herd health and biosecurity. His focus and commitment has resulted in numerous champions for customers at every level of competition as well as a genetic influence that has impacted the entire industry.

The mission of Heimer Hampshires is rooted in Jesse's passion

to develop young people and promote agriculture as a viable and sustainable career path. He has long been a leading advocate of junior livestock programs and finds purpose in supporting his own kids, among many others, across the United States in their efforts to raise and show pigs as a means of developing valuable life skills.

Jesse serves on the Missouri Pork Producers Association Board of Directors, completed a term in the Pork Leadership Institute and recently was a producer representative on the NPB/NPPC trip to Europe to learn about ASF. Outside of the pork industry, he enjoys spending time on the farm with his wife, Amy, and two kids, Max and Harper. Both kids are active in multiple sports and usually, they can all be found at a ball field, gym, or a pig show.

Reason for Running for the US SHIP GCC:

Healthy pigs are the foundation of success for everyone in the swine industry, and as I represent my fellow show pig producers, I look forward to working with others to develop plans for biosecurity, traceability, and preparedness in a manner that allows everyone in the pork industry to succeed.

At – Large: Exhibition Swine Member



Daniel Hendrickson, DVM

Dr. Daniel Hendrickson is a partner in 4 Star Veterinary Service that owns both the Stoney Creek Veterinary Service Office in Farmland, IN and the Michigan Swine Veterinary Service location in Holland, MI.

Dr. Hendrickson primarily focuses on commercial swine family-owned farms throughout the Midwest and all sizes of showpig production throughout the United States. His practice is one of the most recognized swine veterinary practices throughout the showpig industry.

Dr. Hendrickson Graduated from Michigan State University in 2003 with a degree in Animal Science and earned his DVM from Purdue University in 2014.

Daniel returned home to work with his uncle after graduation and eventually purchased the practice. Dr. Hendrickson has been involved in many organizations in the ag industry at the local, state, and national level. He is currently on the US SHIP Traceability committee and a delegate for Indiana at the US SHIP House of Delegate.

Dr. Hendrickson and his wife, Telynda, live in Farmland, IN along with their children Hadley and Hogan. His children are involved showing livestock throughout the United States.

Reason for Running for the US SHIP GCC:

My strong passion for all segments of the swine industry has led me to run for a position on the US SHIP GCC.

Daily, I provide veterinary service in both the commercial and exhibition segments of the industry.

Within the exhibition segment, I work with showpig producers, boar studs, and exhibitors from across the country to provide health, bio security, and reproductive recommendations.

The importance of getting both segments of the industry to understand, implement, and become advocates of US SHIP is of vital importance to the long-term success of the program, and pork producers in both parts of the industry.

With my ties of not only providing veterinary work to showpigs across the country, and my kids being heavily involved in showing, I can bring expertise on how to help make US SHIP successful.

It would be an honor to be considered for a position on the GCC, and serve an industry that I have dedicated so much of both my personal, and professional life to.

At – Large Exhibition Swine Member



Ben Schmaling,

Ben is a third-generation pig farmer who owns Schmaling Brothers Berkshires with his wife JaLynne, and two sons Grayson (7) and Mack (4).

About 25 purebred Berkshire sows make up the operation.

In spring and fall, nearly 150 Berkshire show pigs are sold throughout the Midwest and nationwide. Seed stock and bred females are marketed in the fall.

Off the farm, Ben is a Strategic Account Manager for Zoetis in their Pork business unit.

Ben has been president of the Iowa Purebred Swine Council

since 2013 and currently serves on the Iowa Pork Producers Association Board of Directors; is a certified swine judge in multiple states; and has served on the Adult Board of Directors for Team Purebred and the National Junior Swine Association Adult Advisory Board, both national youth swine organizations.

In addition, he is a member of the American Berkshire Association and the National Hereford Hog Association.

He graduated from the Iowa Pork Leadership Academy; and served IPPA's promotion committee, and on the National Pork Board's Producer/Public Health & Workplace Safety committee.

A native of Belleville, Wis., Ben earned a marketing degree from Iowa State University.

Reason for Running for the US SHIP GCC:

I would like to be a member because the swine industry is integral to my livelihood. Not only does my professional career encompass the commercial swine industry but my hobbies include show pig production and is a vehicle I use to raise my children in agriculture.

I think my spot on US SHIP GCC is vital to ensure that the Exhibition Swine industry has a voice at the table during these key times of preparation.

At – Large: Packer / Slaughter Facility Member



Mindy Henry,

Mindy currently serves as Senior Director of Food Safety and Quality Assurance for the Pork Division with Tyson Fresh Meats.

She earned a Bachelor of Science with a Beef Production Option at Oregon State University and a Master of Science in Animal Science with Meat Science Emphasis from Oklahoma State University. After graduation, Mindy was hired by Tyson Fresh Meats and has held various roles within Food Safety and Quality Assurance and Animal Welfare during her 14-year tenure with Tyson.

Foreign animal disease (FAD) preparation is a part of her current job responsibilities and as such she led the development of the Tyson Fresh Meats (FAD) response plan and is currently one of

Tyson's FAD coordinators.

In addition, Mindy manages the continued development of written plans and the company's foreign animal disease working share site that allows for central access to industry websites, resources, and company communication.

As part of the preparation process, she has also led in-plant exercises to help refine and address gaps by testing the written plans.

Mindy actively participates in industry working groups to help with industry foreign animal disease preparation and represents and serves as the harvest plant delegate for the state of Indiana.

Reason for Running for the US SHIP GCC:

I am grateful to be nominated for the US SHIP GCC at large member representing the packer/slaughter facilities and am excited about this potential opportunity due to my passion for the meat animal industry.

I wholeheartedly support and believe in every segment that US SHIP represents, including animals, veterinarians, producers, packers, scientists, and consumers and I understand that successful prevention of a foreign animal disease outbreak will take all of us in the meat animal industry and I want to be a part of that collaboration.

I can provide an unbiased and thoughtful perspective to the topic of foreign animal disease but also understand the complexities. I have worked for a meat packing company for 14 years and understand the business objectives of this industry and know that I can be a representative for all companies with keeping the end goal in mind.

At – Large: Packer / Slaughter Facility Member



Katherine M. Stack,

Katherine is the Hog Procurement Manager and Wholystone Farms in Fremont, Nebraska.

She previously worked as the Carcass Evaluation and Animal Welfare Manager and moved into a Hog Procurement role in 2019.

She grew up on a small cow/crop operation in Northeast Illinois, worked on a farrow to finish operation throughout college, and started with Hormel Foods as a Production Supervisor at a facility in Southern Wisconsin.

Additional Involvement in the Industry: Katherine is a TQA and PQA Advisor, participates on the Animal Welfare Committee with NAMI, is PAACO Certified for meat plant auditing, and actively

participates in the SHIP Traceability working group.

She studied Agriculture Business and Animal Industry Management at Illinois State University.

Reason for Running for the US SHIP GCC:

As an agricultural professional deeply concerned about the impact of foreign animal diseases like African Swine Fever, I am eager to contribute my expertise, knowledge, and passion to General Committee Council.

Joining this committee would allow me to contribute to the mission of US SHIP through proactive engagement and collaboration efforts related to traceability, transparency, innovation, and advocacy.

As a representative of the slaughter sector within the industry, I can bring a critical and unique point of view to the GCC.

At-Large: Non-Specified Member



Ryan Pudenz

Ryan is the general manager of Prestage Farms of Iowa. In that position, he oversees finisher production in Iowa of 1.5 million hogs annually.

In addition to being the District 6 Director on the IPPA Board, Ryan also serves as the Vice President of Operations. In that role, he is responsible for the minutes of IPPA's delegate body, executive committee meetings, and the board of directors' meetings. He also reviews IPPA's communications and public policy programs.

Ryan has been active at the local, state, and national level in leadership roles.

He belongs to the Story County Pork Producers and has served on several IPPA committees, including membership/leadership; and swine health and well-being.

Nationally, he has served as a delegate to the National Pork Industry Forum, attended the National Pork Producers Council's Legislative Action Conference, and participated in the Pork Leadership Institute.

In other industry roles, Ryan is a PQA Plus® adviser on the Iowa Pork Industry Center Advisory Board, including the program planning for Iowa State University's Iowa Swine Day.

Ryan has a bachelor's degree in animal science from ISU.

Reason for Running for the US SHIP GCC:

US SHIP is a vital program to safeguard the health of the swine industry. To be successful, US SHIP needs to be a producer-driven program applicable for producers at all levels.

As a US SHIP GCC member, I will work collaboratively to develop common sense, data-based guidance.

At-Large: Non-Specified Member



Kelli Werling, DVM

Dr. Werling is the Senior Director of Operations and Director of Swine Health at the Indiana State Board of Animal Health. In this role, she oversees development and implementation for a variety of swine health programs, including African Swine Fever preparedness and response activities as well as serving as Indiana's Official State Agency administrator for US SHIP.

Dr. Werling grew up on a central Indiana farm and attended Purdue University where she earned her Bachelor of Science in Animal Science and her Doctor of Veterinary Medicine.

She is the past District 12 representative for the Indiana Veterinary Medical Association Board of Directors, current Young Alumni representative on the Purdue Veterinary Alumni

Association Board of Directors, a current member of the American Association of Swine Veterinarians (AASV) and the United States Animal Health Association (USAHA), and a Foreign Animal Disease Diagnostician.

In her personal life, Dr. Werling enjoys mentoring students through the Purdue University College of Agriculture Alumni Mentorship Program, volunteering in a state-wide philanthropic organization (Tri-Kappa), and serving as the Alumni Relations Chair for the Stewart Cooperative Alumni Board of Directors.

Kelli currently resides in central Indiana with her husband and daughter.

Reason for Running for the US SHIP GCC:

As a candidate for the GCC, I look forward to the opportunity of bringing to the table my understanding and real-world experience in the implementation of swine health programs.

Additionally, as a US SHIP OSA representative on the GCC, I would provide a unique perspective to the group while ensuring the mission of US SHIP remains balanced and upholds the values of our US pork industry.

US SHIP Site Status Verification Database

Participating premises are to be enrolled with the US SHIP Official State Agencies (US SHIP OSAs) in the state where the premises are located.

Upon enrollment, participants provide site demographic information to the US SHIP OSA and fill out one biosecurity survey for all enrolled sites. Once participants sites demonstrate compliance with the program standards of the certification being pursued the sites are then conferred the certification by the US SHIP OSA.

Stemming from an action item (program development need) discussed at the US SHIP 2022 HOD, a collaborative effort was established between US SHIP and US SHIP OSAs to develop the US SHIP Site Status Verification Database. During spring 2023, the US SHIP Site Status Verification Database was deployed and is currently being on-boarded for use on a State-by-State basis. The US SHIP Site Status Verification Database is a built-for-purpose database application that provides a simplistic means for maintaining the current and officially recognized status of the US SHIP certifications held by the participating sites from across the US.

It is envisioned that the US SHIP OSA will maintain and report the current status of the participant sites to the US SHIP Site Status Verification Database. Only a minimum set of data fields inclusive of the the premises identification number (PIN),corresponding US SHIP disease status, and the State in which the premises is located are to be reported by the US SHIP OSAs to the US SHIP Site Status Verification Database. All of the more detailed participant and premises level-specific identifiers (e.g., names, addresses, locations, etc.) remain with the respective US SHIP OSA and are not reported to or contained in the US SHIP Site Status Verification Database (**Figure 1**).

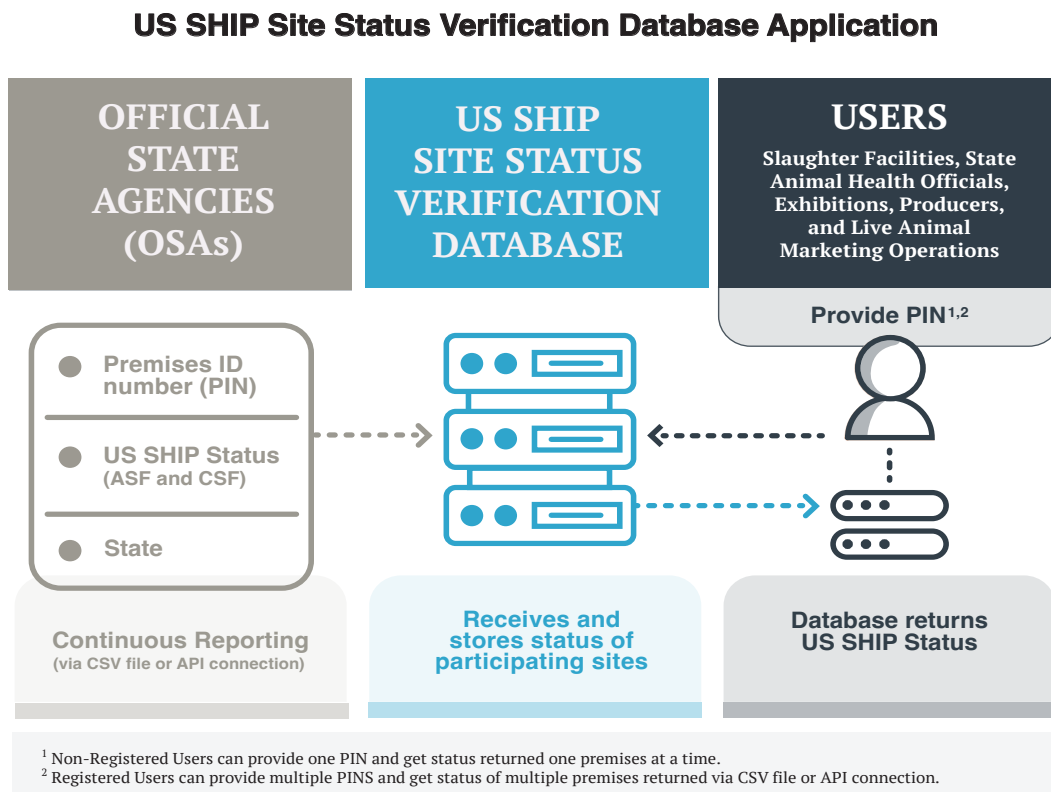


Figure 1: The basic workings and use of the US SHIP Site Status Verification Database

End users and use cases of the US SHIP Site Status Verification Database include but are not limited to:

- State Animal Health Officials can use to verify the status of the US SHIP certifications held by premises moving pigs into their state for further breeding, growing, or exhibition.
- Slaughter facilities can use to verify the status of the US SHIP certifications held by the premises supplying pigs to their facility to be harvested.
- Exhibitions can use to verify the status of the US SHIP certifications held by the premises pigs being exhibited/shown.
- Live animal marketing operations channels can use to verify the status of the US SHIP certifications held by the premises supplying pigs to their facility.
- Producers can use to verify the status of the US SHIP certifications held by either their own premises or the premises of pigs of which they are purchasing or otherwise receiving pigs from third parties. US SHIP disease status.

Once a site participates in the US SHIP, certification can be assigned as one of the three proposed disease statuses. The US SHIP disease status was structured to accommodate the different stages and levels of certification of participant sites using three proposed and the site Disease Status:

1. Monitored Free:

- To be used for ASF or CSF US SHIP certified sites

2. Certification Expired:

- On cases when the ASF or CSF-free certification is on hold for not complying with current program standards. It could affect either ASF, CSF, or both.

Example of situations where “Certification Expired” would occur is when the US SHIP House of Delegates approves new standards and the site no longer meet the US SHIP program standards.

3. Inactive:

- For US SHIP enrolled sites but not certified
- Certified sites when the site is going through a change in ownership and waiting for re-statement of certification by the OSA.
- Lost or revoked status (tested positive for ASF or CSF)
- Sites that decide to drop out of US SHIP
- Sites that never participated in US SHIP
- Sites that participated in the US SHIP and went Out of Business

Key point of the functionality of the US SHIP Site Status Verification Database application for end users

End users query the database via providing the PIN of the premises in question, and the database application simply returns the current status of the US SHIP certifications held by the premises (PIN) in question (**Figure 1**). The US SHIP Site Status Verification Database application is a built for purpose database application that is readily compatible with, and independent of, whatever software/database application or other means the US SHIP OSAs from across the country are using to house the participant/premises specific information and manage the workings of the US SHIP OSA in their respective state.

The US SHIP OSAs are the only entities permitted to report the status of the US SHIP certifications held by the participants in their respective state to the US SHIP Site Status Verification Database. The US SHIP Program Administration is responsible for managing the services provided by the US SHIP Site Status Verification Database.

The US SHIP Site Status Verification Database is currently being housed and maintained within the information technology infrastructure used to support the Department of Veterinary Diagnostic and Production Animal Medicine at the Iowa State University College of Veterinary Medicine.

US SHIP: Traceability Systems In Other Pork Export Markets

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Executive Summary

Using the Oxford Language Dictionary, Google defines traceability as ‘the quality of having an origin or course of development that may be found or followed’. Traceability is a ‘blanket’ term as it might involve logistic and/or attribute contexts. The primary goal of the four pork traceability systems evaluated (Australia, Brazil, Canada, and Denmark) were to have logistic traceability of pigs from origin to destination, but some systems had additional aspects that supported attribute-based traceability.

Traceability has three different components: 1) the data that is required to have for tracing; 2) the data entry process and storage or repository of the data; 3) and the governance of the system including the security and access, the enforcement and verification methods. All four traceability systems had a single, central repository that the federal animal health officials could access. Some had precursor repositories for different uses before the data flowed to the central national repository, whether that was local and state repositories as in Brazil, or it was the logistic and attribute-based industry-maintained repository in Australia. Brazil also has an industry-based system, built on top of the municipal systems, to certify attribute traceability, although it has not yet been used for pork.

Balancing the needs and wants of all stakeholders is crucial for the success of any system. The goal of a traceability system is to build trust. A perfect system is not required, but participation in the system is.

A 4-part video series was created to share major findings on traceability across other pork exporting countries. A playlist can be found on YouTube or by using this QR code, with the following title:

1. [What is Traceability?](#)
2. [The Components of a Traceability System](#)
3. [Exploring Traceability Systems](#)
4. [Data Entry, Management, and Governance](#)



US SHIP Classifications, Delegate Allocation, and Governance

I. US SHIP Classifications (6 groupings, for delegate allocation)

1. Breeding Herd: Sites: $\geq 1,000$ breeding females or ≥ 50 mature boars (Inventory)
2. Growing Pig: Sites: $\geq 1,000$ post-weaned pigs (Inventory)
3. Slaughter Facility: Slaughter $\geq 100,000$ pigs / year
4. Small Holdings:
5. Farm sites with ≥ 100 post-weaned pigs (Inventory) that don't fit into any of the other commercial farm site categories.
6. USDA or State Inspected slaughter facilities slaughtering $< 100,000$ pigs / year
7. Non-commercial: Production sites with ≤ 100 pigs. (e.g., exhibition, niche)
8. Live Animal Marketing Operations: Sites that aggregate swine for resale of such swine (> 100 pigs/week) onto slaughter facilities.

Notes:

¹ Farrow-to-Finish or Farrow-to-Feeder sites $\geq 1,000$ breeding females will be classified as Breeding Herds.

² Farrow-to-Finish or Farrow-to-Feeder sites $< 1,000$ breeding females will be classified as Small Holdings.

³ Boar Stud sites (> 50 mature/working boars) will be classified as Breeding Herds for delegate allocation purposes.

US SHIP Classifications are important as it relates to ensuring appropriate representation from the various segments of US pork industry and in the delegate allocation process.

Such US SHIP Classifications (and associated definitions) also create clarity for the states as to “who to ask” when seeking industry stakeholder volunteers to serve as delegates in representing the interests of a particular “Classification or Segment” of the industry in the US SHIP House of Delegates.

However, there will not be any “Classification Specific” votes cast at the US SHIP House of Delegates Meeting to be held on September 5 - 7, 2023 in Bloomington, MN.

II. Overview of US SHIP Delegate Allocation

Formula based approach = (Base Allocation & Distribution of At Large Delegates)

Brief Description of Methodology Used For Delegate Allocation:

This formula-based approach uses a combination of a baseline allocation of delegates to all participating states, as well as the generation and subsequent distribution of a pool of At-Large Breeding Herd and Growing Pig delegates based upon the percentage of Breeding Swine and Growing Pigs (respectively) participating in US SHIP that are located in the state.

The formula-based approach is structured such that the number of At-Large delegates increase in direct proportion to the number of states participating in the US SHIP.

Detailed Description with Explanation:

1. Participating states will be allotted a minimum base of 4 voting delegates, one delegate (vote) for each of the following 4 US SHIP Classifications: Non-commercial, Small Commercial, Breeding Herd, and Growing Pig. A state will receive 1 additional voting delegate for the classification slaughter if they have an active slaughter facility operating in their state, for a total of 5 voting delegates.
2. A pool of At-large delegates will be generated for allocation to the states. Two At-large delegates (1 Breeding Herd delegate and 1 Growing Pig delegate) will be generated for each state participating in the US SHIP House of Delegates.

For example:

- a. If 25 states participate, a pool of 25 Breeding Herd and 25 Growing Pig At-Large delegates (votes) will be generated for allocation.
3. The pool of At-large delegates will be allocated to states as a percentage of all Breeding Swine and Growing Pigs (respectively) enrolled in US SHIP that are located in a given state.

For example:

- a. Using example above of 25 participating states: If a state had 4% of the Breeding Swine inventory and 8% of the Growing Pig inventory enrolled among participating states, they would be allocated 1 additional Breeding Herd delegate and 2 additional Growing Pig delegates.

4. Live Animal Marketing Operation delegates: The 15 states that generate the most Breeding and Growing Pig at large delegates (combined) will each have one Live Animal Marketing Operation delegate allocated to their respective state's delegation. The Live Animal Marketing Operation delegate is an additional delegate invitation being extended to the 15 states that generate the most Breeding and Growing Pig at large delegates (combined).

Note: Since US SHIP currently in the start-up phase, the number of Breeding Swine and Growing Pigs enrolled (versus certified) at the end of June 2023 is being used to allocate the Breeding Herd and Growing Pig At-Large Delegates (respectively) for the 3rd US SHIP House of Delegates meeting.

III. Delegate Allocation for 2023 US SHIP HOD (enrollment as of 7/11/2023)

33 states have demonstrated interest in US SHIP

State	Non-commercial	Small commercial	Breeding herd	Growing	Slaughter	Live Marketing	Total
Alabama	1	1	1	1	0	0	4
Arizona	1	1	1	1	0	0	4
Arkansas	1	1	1	1	0	0	4
California	1	1	1	1	1	0	5
Colorado	1	1	2	1	0	1	6
Delaware	1	1	1	1	0	0	4
Georgia	1	1	1	1	0	0	4
Illinois	1	1	4	3	1	1	11
Indiana	1	1	2	3	1	1	9
Iowa	1	1	5	12	1	1	21
Kansas	1	1	3	2	1	1	9
Kentucky	1	1	2	1	1	1	7
Michigan	1	1	2	2	1	1	8
Minnesota	1	1	3	3	1	1	10
Mississippi	1	1	1	1	0	0	4
Missouri	1	1	3	3	1	1	10
Montana	1	1	1	1	0	0	4
Nebraska	1	1	3	2	1	1	9
North Carolina	1	1	7	7	1	1	18
North Dakota	1	1	1	1	0	0	4
Ohio	1	1	3	2	1	1	9
Oklahoma	1	1	3	2	1	1	9
Oregon	1	1	1	1	1	0	5
Pennsylvania	1	1	2	1	1	1	7
South Carolina	1	1	1	1	0	0	4
South Dakota	1	1	3	1	1	1	8
Tennessee	1	1	1	1	1	0	5
Texas	1	1	2	2	1	1	8
Utah	1	1	1	1	0	0	4
Virginia	1	1	1	1	0	0	4
West Virginia	1	1	1	1	0	0	4
Wisconsin	1	1	1	1	1	0	5
Wyoming	1	1	1	1	0	0	4
Total	33	33	65	65	19	16	231

IV. Other US SHIP Governance Items

1. Voting delegates representing each participating state will be appointed by each participating state's pork producer association. If a participating state does not have an active pork producer association, delegate selection will be deferred to the respective State Animal Health Official or Department of Agriculture.
2. The State Animal Health Official or their designee is to serve as one of the voting delegates among their respective state's delegation at the US SHIP House of Delegates.
 - This is not an additional delegate and does not have any implication on the number of delegates being allocated for use by participating states.
 - This language is included simply to clarify the importance of the SAHO's (and/or respective State Department of Agriculture's or Board of Animal Health's) role and engagement with this US SHIP development project in their respective state.
 - The SAHO's or their designee's engagement in US SHIP and the US SHIP House of Delegates process is highly important.
3. Delegates must be present to vote at the US SHIP House of Delegates.
4. Individual delegates attending the US SHIP House of Delegates cannot cast more than one vote or cast votes on other delegates' behalf (i.e., one person/delegate = one vote).
5. States are not required to have representation or be present at the US SHIP House of Delegates to participate in the US SHIP.
6. Definitions of US SHIP Program Standards vs Resolutions:
 - US SHIP Program Standard = Requirements to be met or exceeded by program participants to be certified in US SHIP.
 - US SHIP Resolution = Charges to pursue initiatives or further explore specific issues that aim to further inform US SHIP program content and direction.
7. Approval of Standards and Resolutions by simple majority (>50%) of votes cast.
8. Amendments to both Standards and Resolutions can be brought forth as long as such amendment remains within the scope under consideration.
9. Motions for new Standards or Resolutions which have not been vetted and previously circulated to delegates will not be considered for vote but instead tabled for further review and consideration.