# Mutant vehicle acceptance checklist

## What the creator call settled

Skippo reports that on November 6 the creator team broadly signed off on the black sheep concept, expressly including the giant rear poofer masts. That milestone belongs in the project record. The driver shutoff, mast installation, passenger operating envelope and licenses remain open.

## The drawing FAST needs next

Show Earl in plan and elevation. Mark the seated driver, effect operator, each cylinder and accumulator, both mast outlets, the roof and rear landing. Number each valve and trace what it isolates. Show where each person reaches from their normal position.

## The question to put to FAST

For this twin-mast layout, does a driver-operated solenoid supplement the manual quarter-turn valve, or can a specific remote arrangement satisfy the driver-reach requirement? Where must the manual valve and operator controls sit? Does FAST treat the two heads as one effect or two?

## The acceptance demonstration

Ask FAST what both stations must shut down, including residual fuel in each surge vessel, and what should happen after power loss, radio loss or restart. Request the expected demonstration and a written answer referencing the drawing revision. Hold component selection for this function until that answer is recorded.

## How to use this checklist

Each box has a matching tracker ID. Source codes point to the references on the last page. Evidence lines are BAAABS verification tasks. P marks an internal decision. Use the 2026 material as a planning baseline and refresh the rules, deadlines and map when the attendance year is set.

## Contacts

Fire design: dmv-flame-effects@burningman.org • Vehicle and routing: dmv@burningman.org

# Application and licensing

### ☐ A01 Event cycle · C H

File the Statement of Intent and Burner Profile vehicle application for the attendance year. Declare both rear flame effects, day and night use, dimensions, crew and actual build progress.

Evidence / Save both receipts and the submitted drawings.

### ☐ A02 Invitation · C H

Obtain the written invitation before bringing Earl for licensing. Keep any conditions and brief every driver.

Evidence / File the invitation by season.

### ☐ A03 Support logistics · H

If applicable, request camp placement separately, arrange vehicle passes, setup access, deliveries and fuel enrollment. Coordinate oversize gate entry if the transport configuration requires it.

Evidence / Document arrival dimensions, access approvals and assembly plan.

### ☐ A04 Daytime mutation · C

Make the stock Thomas unrecognizable from every side. Integrate wheels, face, rear and boarding portal into the sheep. Show craftsmanship, originality and how BAAABS differs from its inspiration.

Evidence / Photograph the finished vehicle outdoors with final mesh installed.

### ☐ A05 Public participation · C H

Describe a concrete way strangers can participate. Welcome riders when safe and capacity permits. Provide a ground-level way to participate.

Evidence / Publish boarding practice and brief hosts.

### ☐ A06 Gifting and fundraising · H

Keep rides and on-playa access free of commercial promotion, donor priority and private paid cruises. Exclude tickets, passes and on-playa perks from fundraising rewards.

Evidence / Review patch copy, signage and crew policy.

### ☐ A07 Inspection and stickers · C H

Present the fully assembled vehicle, registrant photo ID and equipment. Obtain applicable day and night licenses, demonstrate lighting after dark unless DMV assigns a different procedure, and reserve 12 × 6 in at lower left rear for stickers.

Evidence / Record license identifiers, restrictions and inspector feedback.

### ☐ A08 Food and drink · H

If serving food or alcohol to the public, resolve Nevada permit requirements before service and apply age restrictions for alcohol.

Evidence / Record service scope and applicable permits.

# Vehicle build and passengers

### ☐ V01 Low speed and braking · C

Demonstrate controlled travel at or below 5 mph and functioning brakes in operating configuration.

Evidence / Retain inspection and controlled driving records.

### ☐ V02 Roof and stairs · H C

Use sturdy perimeter guards and stair handrails. For decks at least 84 in above playa, follow the 36–48 in guard guidance and keep access openings at most 36 in wide.

Evidence / Dimension the roof, rear landing and openings. Measure after assembly.

### ☐ V03 Boarding and edges · C H

Provide a safe, obvious entry and exit. Remove sharp or projecting hazards. Resolve the skin step-over at the stock door and guard exposed sheet edges.

Evidence / Walk the complete passenger route in day and night configurations.

### ☐ V04 Illumination · C H

Light the full shape from every direction, including stairs, corners, overhangs and the rear. Demonstrate at least 30 ft of forward illumination and a distinctive artistic appearance after dark.

Evidence / Record a measured headlight check and four-sided night views.

### ☐ V05 Loaded roof and frame · P

Establish a defensible occupancy limit, axle loads, stability and load paths for the dance floor, stations, rails, stairs and masts. DMV licensing leaves engineering responsibility with the builder.

Evidence / Obtain donor ratings, axle weights and qualified structural review of the final build.

### ☐ V06 Moving roof occupancy · P

Design intent allows dancing on the fixed roof at low speed, keeps stairs clear while moving and boards through the stock door at a stop. Resolve allowable occupancy and operating conditions with DMV.

Evidence / Record DMV response, engineering limits and a crew boarding drill.

### ☐ V07 Conditional additions · H C

If adding a trailer, obtain its own license and mutation review. Guard the entire hitch gap while moving, illuminate it after dark and exclude riders from the gap.

Evidence / Open a trailer review on scope change.

### ☐ V08 Passenger lifts · H

If a powered passenger lift is added, follow the handbook’s stationary, stabilized, neutral and parking-brake rules, qualified control attendance and approved basket requirements. Never move with riders elevated.

Evidence / Document configuration and crew qualification if added.

### ☐ V09 Lasers and batteries · H

Refer any laser addition to LAST for pre-use inspection and review the season’s laser/LED policy. If lithium-ion power is used, keep packs accessible away from riders, inspect daily, and drill withdrawal of at least 100 ft for thermal runaway and summoning ESD.

Evidence / Identify lighting and battery types. Record reviews separately.

# Driving and crowds

### ☐ O01 Driver and crew · H

Assign sober, unimpaired operators. Cap speed at 5 mph, reduce it for dust or crowds, and yield to people on foot, bikes and emergency vehicles.

Evidence / Use a signed shift briefing.

### ☐ O02 Stop conditions · H

Stop on a walker, Ranger, staff or law-enforcement signal. Suspend travel in whiteouts, rain, wet playa or other unsafe conditions.

Evidence / Drill stop calls and weather holds.

### ☐ O03 Blind spots · H

Map every blind direction. Use identifiable walkers on foot and on-board spotters as DMV directs. Cover both rear sides when the driver lacks rear vision. Cameras supplement human coverage.

Evidence / Demonstrate forward and reverse coverage at DMV.

### ☐ O04 Crew communication · H

Maintain direct driver contact, use radios when sound is loud and reposition walkers for travel direction. Board and unload at a complete stop.

Evidence / Run a stop drill with sound on. Record DMV staffing minimum.

### ☐ O05 Street classification · H C

Handbook assigns Limited City Use at length ≥25 ft or width ≥13 ft. Criteria also describes street eligibility under 45 ft long and 13 ft wide with a one-lane turn and full visibility. Plan only the shortest straight camp-to-playa transit pending DMV direction.

Evidence / Submit finished envelope and camp route. Retain written classification.

### ☐ O06 Restricted routes · H

Follow the event map. Avoid travel along Esplanade, pedestrian promenades, community paths, marked pedestrian zones and inside the Great Circle. Limited City Use excludes Center Camp cruising.

Evidence / Mark the authorized route and crossings on the shift map.

### ☐ O07 Stopping and parking · H

Keep lanes clear. Make safe street pickups or drops under five minutes. For longer stops pull fully into an authorized camp. Keep an idling or unattended vehicle out of traffic lanes.

Evidence / Choose pickup and parking locations.

### ☐ O08 Burn perimeters · H

Follow flags and Wranglers. Large MVs stay behind the MV line, normally at least 50 ft from small-burn perimeters or 200 ft for large burns. Early arrivals stay 250 ft behind the anticipated participant line and relocate when marked.

Evidence / Brief crew on access lanes, sightlines, ember watch, attendance and keeping bright lights and lasers out of the circle.

# Sound and fuel logistics

### ☐ S01 Quiet hours · S

From 2 am to 10 am keep amplification inaudible outside the bus on city streets. Resume on open playa only after clearing the published 100-yard/meter Esplanade buffer. During other hours keep street volume considerate.

Evidence / Mark the boundary and demonstrate immediate mute.

### ☐ S02 Art-to-art stops · S

Ask the artist before playing near an installation. Limit an ordinary stationary music stop to three hours. Respect quiet art, the Temple, the Man and the 100-yard edges of Esplanade and the 2:00 and 10:00 streets.

Evidence / Assign consent and stop-time tracking to the sound lead.

### ☐ S03 Music zones and camp · S

In a designated deep-playa music zone, point speakers away from the city and limit a stay to 12 hours. Use current maps. Follow stationary sound rules inside a consenting placed camp.

Evidence / Brief the DJ on speaker orientation and camp policy.

### ☐ S04 Temple Burn · S

Mute amplified sound on arrival at the Temple Burn perimeter.

Evidence / Include a named mute operator in the burn briefing.

### ☐ L01 Fuel aboard · H

Exclude spare liquid fuel during passenger operations. Portable cans travel only between the fueling station and camp.

Evidence / Inspect the bus and document the installed generator fuel arrangement.

### ☐ L02 Camp fuel layout · Z

Separate stored fuel from combustibles and ignition by at least 10 ft, stored liquid fuel from propane by 20 ft and separate fuel storage areas by 50 ft. Provide a clear 20-ft fire lane unless storage is under 20 gallons.

Evidence / Dimension camp layout with collision protection, street setback and marked 10-ft exclusion area.

### ☐ L03 Storage equipment · Z

Post no-smoking/flammable signs visible from four directions. Provide an accessible extinguisher rated at least 40-B, 8–10 ft from storage. Use approved closed containers and liquid containment sized for 110% of the largest container.

Evidence / Photograph signage, containment, extinguisher and storage inventory.

### ☐ L04 Propane logistics · Z

Cap camp propane storage at 500 lb. Plan in-use effects supply around a FAST-reviewed 24-hour quantity. Follow authorized refill locations and avoid camp-to-cylinder transfers.

Evidence / Document supplier, cylinder swap route and inventories for storage versus use.

### ☐ L05 Liquid transfers and spills · Z

If storing or dispensing generator fuel, check the site limits, bonding and containment provisions for the chosen containers. Stop generators before refueling, keep flames 25 ft from dispensing, protect playa and stock spill tools.

Evidence / File fuel plan. Report contaminated playa exceeding a five-gallon bucket to Rangers, ESD or Earth Guardians.

# Fire review and mast geometry

### ☐ F01 Accountability · A D

Appoint a Fire Safety Liaison, Leave No Trace lead and trained effect operator. The liaison keeps FAST current on revisions. Bring both liaison and operator to inspection.

Evidence / Name primary and relief personnel and retain correspondence.

### ☐ F02 Submission · A D

Describe the operating sequence, fuel inventory, settings, ratings and control logic. Submit plumbing and electrical drawings from supply to each outlet. Show shutoffs, pressure vessels and ignition.

Evidence / Submit a revision-controlled packet. Agreement lists final drawings by the last full workweek of July; confirm the event-year deadline.

### ☐ F03 Vehicle layout · A D

Map protected fuel routes and tanks, flame heads relative to all standing surfaces, extinguishers and burn first-aid supplies. Include occupied roof, stairs, rear landing and crew positions.

Evidence / Supply dimensioned plan, side and rear views.

### ☐ F04 Response and cleanup · A D

Write safety, emergency and LNT plans covering fueling, checks, crew training, enforced perimeters, shutdown, leaks, spills, fire, injury, wind and collision. Include nightly cleanup, strike, tools and waste removal.

Evidence / Conduct a tabletop exercise and log revisions.

### ☐ F05 Mast height · M H

Measure vertically from the highest surface anyone could stand on or around Earl to the first point of fire on each mast. Minimum clearance is 10 ft. Include pilots if present.

Evidence / Mark the controlling surface and both dimensions on the as-built elevation.

### ☐ F06 Mast direction · M

Favor vertical discharge. The minimum angle above horizontal is 45°. The proposed 15° aft from vertical gives 75° above horizontal. Submit the angle with passenger clearances, wind exposure and reach of hot parts.

Evidence / Record as-built angles and written FAST disposition of the geometry.

### ☐ F07 Fire type · A M

Use an instantly extinguishable permitted effect. Exclude liquid-fuel effects, wood fires, fireworks and acetylene effects or open acetylene cylinders. Keep the sheep’s eyes noncombustion.

Evidence / Identify every flame origin and verify the head effects.

### ☐ F08 Wind and perimeter · A

Secure masts for wind, establish a FAST-approved audience perimeter and any performer zone, and keep the 20-ft zone around effects free of combustibles and overhead obstructions.

Evidence / Have FAST identify the zone on a drawing showing both heads, riders, skin and rear stairs.

### ☐ F09 Operating license · H A

Obtain DMV vehicle licensing first, then present the actual effects to FAST. Possess the signed effect-specific laminate before operating in BRC, apart from a FAST-supervised test. Honor inspection access and stop orders.

Evidence / Log both license records, dates, operating limits and crew acknowledgment.

# Propane isolation and containment

### ☐ G01 Primary shutdown · A M

Each effect needs one identified quarter-turn primary emergency valve that isolates fuel from every connected cylinder. Keep it exposed, visible and labeled, within easy reach of the driver and effect operator.

Evidence / Obtain FAST's written decision on shared versus separate effects, valve placement and remote actuation. Then demonstrate reach and isolation for the accepted revision.

### ☐ G02 Residual fuel and remote controls · P

Ask FAST what shutdown must accomplish with gas already downstream in either accumulator. Distinguish primary isolation, firing valves and unattended lockout. Resolve loss of control power, Wi-Fi, controller restart and deliberate reset.

Evidence / Retain annotated shutoff schematic, state table and FAST-approved demonstration criteria.

### ☐ G03 Pressure vessels · A

Document suitable DOT or ASME design, manufacture and testing for cylinders and surge vessels at operating pressure. Check cylinder certification stamps, condition and dates.

Evidence / Match each actual vessel and serial or marking to supporting records.

### ☐ G04 Pressure-boundary changes · A

Pressure-vessel weld changes and fabrication or alteration of pressure-retaining components require an ASME-certified welder and certification stamp under the agreement.

Evidence / Identify every modification and obtain applicable stamped records before accepting a vessel.

### ☐ G05 Overpressure protection · A

Where supply can exceed vessel MAOP, document regulation below MAOP and vessel relief starting at or below MAOP with discharge capacity greater than maximum supply flow.

Evidence / Have the responsible technical reviewer verify ratings and capacity against the selected components.

### ☐ G06 Piping and fittings · A

Rate every wetted component for the fuel and pressure. Above 125 psi use Schedule 80 or heavier metallic piping and fittings. Use flare joints on metallic tubing; exclude soldered and compression joints.

Evidence / Cross-reference line schedule, component markings and joint types to the drawing.

### ☐ G07 Hoses and ends · A

Above 5 psi use LP-rated hose with at least 350 psi working rating and continuous manufacturer markings. Use factory or purpose-crimped ends. Exclude pneumatic hose and clamps at every pressure.

Evidence / Photograph markings and document assemblies.

### ☐ G08 Line protection · A M

Route hoses inboard away from engine exhaust. Guard fuel and electrical runs from impact, chafe, pinch, grabbing and trips throughout normal movement.

Evidence / Inspect the rear-engine bay, stairs, mast bases and every penetration.

# Propane isolation and containment continued

☐ **G09 Cylinder installation · A M**

Restrain upright cylinders against movement inside the vehicle, protected from impact and foot traffic. Keep valves accessible and relief in vapor space. Provide ventilation where leaking gas could collect.

Evidence / Record mount, access and low-point ventilation details on the installed bus.

☐ **G10 Onboard inventory · A M**

Maximum 10 containers and 1,000 lb aggregate full gross weight. For DOT cylinders use 0.42 × stamped WC + tare weight, both in lb. Individual DOT limit is 1,000 lb WC; portable ASME limit is 200 gal WC with integral fitting protection.

Evidence / List all cylinders, sum full gross weights and confirm vessel classification with FAST.

# Fire operations

### ☐ R01 Operator qualifications · A

Operators and assistants must be at least 21, extinguisher-trained and in fire-resistant clothing. Require sobriety and prohibit smoking while working with effects.

Evidence / Keep a qualified crew roster and shift sign-in.

### ☐ R02 Daily release · A

Inspect all components and connections before each day’s operation. The liaison withholds release or stops operation when a hazard appears until corrected.

Evidence / Use a dated inspection and corrective-action log.

### ☐ R03 Firing conditions · A H

Confirm participants, monitors and operators are ready. Watch for wind, riders, stilts, fabric, tall structures and neighboring vehicles. City streets create especially tight clearances.

Evidence / Proposed BAAABS rule: inhibit firing on city streets. Obtain FAST conditions for motion, rooftop occupancy and open-playa firing.

### ☐ R04 Parking and lockout · M A

Continuously attend operating effects. Park away from ignition, close cylinders, shut down, clear lines per the reviewed procedure and lock controls before leaving.

Evidence / Demonstrate keyed or physical lockout and shift handover.

### ☐ R05 Fire response equipment · A

Carry at least one dry-chemical 3-A:40-B:C extinguisher and enough additional units for the hazards. Identify kit locations, burn supplies and hazardous-material safety data sheets.

Evidence / Record extinguisher ratings, service status and accessibility from crew positions.

### ☐ R06 Fuel handling · A Z

Restrict tank connection and disconnection to people familiar with the hazards. Exclude smoking or open flame within 10 ft of fuel storage and keep containers closed except for permitted use or transfer.

Evidence / Name authorized handlers and log training.

### ☐ R07 Technical standards · A

Check applicable codes and industry standards for the actual system. FAST identifies NFPA 54, 58 and 160. Protect stationary fuel equipment against vehicles, illuminate it at night and keep hot components at least 6 in above playa.

Evidence / Have the technical reviewer identify applicable editions and document the review scope.

# Sources and review scope

**C** **DMV criteria and licensing**

**H** **Mutant Vehicle Owner's Handbook**

**S** **Mutant Vehicle Sound Policy**

**M** **Guidelines for Flame Effects on Mutant Vehicles**

**A** **DMV Fire Safety Agreement for Flame Effects**

**D** **Required Documentation for Flame Effects**

**Z** **Fuel and Hazardous Materials Storage Agreement**

**P BAAABS project decision or engineering question**

Sources checked November 6, 2026. The project's saved July 27, 2026 handbook and October DMV readiness notes also informed the BAAABS-specific entries. The linked event-year publications and conditions on issued licenses control operations.

The checklist covers the planned full-length rear-engine bus, fixed passenger roof, rear stairs, two propane effects, sound system and support fuel. Reopen conditional rows when equipment or services change. Road registration, insurance and public-road transport are separate work.

For changes, retain the ID, record the new source and revision, and reopen affected tracker rows. A reviewer can accept a drawing for fabrication while the installed item still awaits verification. Only the issuing team can grant its event license.