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Maintenance

AIRCRAFT MARKINGS AND INSIGNIA

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This instruction implements Air Force Policy Directive (AFPD) 21-1, *Managing Aerospace Equipment Maintenance*, to standardize the size, location, and color of aircraft exterior markings on aircraft assigned to AMC by type and mission. It is applicable to active duty AMC units possessing permanently assigned aircraft and their attached Air Force Reserve Command (AFRC) associate units. It is not applicable to unit-equipped AFRC or Air National Guard units. All AMC aircraft maintenance squadrons with fabrication flights shall maintain a current copy of this instruction.

SUMMARY OF REVISIONS

This interim change (IC) 2004-1 (**Attachment 3**) provides guidance for approval of aircraft nose art and tail flash markings. A bar (|) indicates a revision from the previous edition.

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Chapter 1

GENERAL INFORMATION

1.1. Introduction.

1.1.1. This instruction implements the policies outlined in AFI 21-105, *Aerospace Equipment Structural Maintenance*, and provides guidance for applying command approved aircraft markings.

1.1.2. Forms Prescribed. AMC Forms 696-2, 700, 702, 704, and 706, **AMC and AFRC Emblems** (aircraft decals) can be requisitioned per paragraph **2.2.1**.

1.2. Policy.

1.2.1. Paint schemes/configurations and USAF standard markings will be applied in accordance with the applicable aircraft technical order, aircraft drawings, TO 1-1-8, *Application of Organic Coatings* and this instruction.

1.2.2. Deviations from standard markings are authorized for 89 AW aircraft when approved by HQ USAF.

1.2.3. Approval authority for optional markings. Final approval will come from the authority listed below. All levels of supervision have the responsibility to review the markings for tastefulness, appropriateness, and adherence to copyright laws. Refer to **Chapter 4** for further guidance.

1.2.3.1. Nose Art: AMC/A4. E-mail request with wing CC approval, justification, and the design to <mailto:amc.a4.aircraftmarkings@amc.af.mil>.

1.2.3.2. Tail Flash: AMC/A4. E-mail request with wing CC approval, justification, and the design to <mailto:amc.a4.aircraftmarkings@amc.af.mil>.

1.2.3.3. Aircraft names (“City of” or “Spirit of” type markings): AF/CV. Route request through your wing CC to AMC/PA.

1.2.3.4. Deleted

1.2.4. All aircraft markings will be maintained intact, legible, and distinct in color (not faded). Command standardization of markings (by mission design and series (MDS)) is of primary concern.

1.2.5. When large sections of an aircraft are repainted (i.e., entire wing, fuselage, or empennage) they will be documented in GO81 and the individual AFTO Form 95, **Significant Historical Data** for tracking purposes.

1.2.6. All exterior aircraft markings must match the gloss level of the basecoat. No approved diffuse clearcoats are available; low-gloss materials must be used for all markings on aircraft with lusterless paint schemes.

1.2.7. Operational markings and structural coating/corrosion maintenance will take precedence over cosmetic refinements; markings, such as nose art, tail flash, and DCC names should be considered lowest priority work.

1.2.8. Units participating in competitions, such as the Airlift Rodeo, will follow the guidelines established in the competition rules for aircraft appearance. Polishing bare metal surfaces and applying “commander” type markings specifically designed for competitions are prohibited.

1.2.9. All optional markings must be removed from aircraft prior to transfer to other units. This does not apply to aircraft retiring to Aerospace Maintenance and Registration Center (AMARC). If an aircraft is to be permanently transferred to another MAJCOM, remove all organizational and MAJCOM insignia, unit identifiers, AFRC associate wing markings, AMC tail stripes, and all other optional markings. Aircraft scheduled for repaint in conjunction with programmed depot maintenance (PDM) need not have markings removed prior to aircraft departure. **NOTE:** All markings, including nose art, will be destroyed during depot repaint operations.

Chapter 2

AIRCRAFT MARKING METHODS

2.1. Stencils. Stencils may be used to apply all exterior markings. Apply stenciled markings with polyurethane, MIL-PRF-85285, type I or II. Prepackaged aerosol paints are not authorized for permanent aircraft markings.

2.2. Decals. Decals may be applied to aircraft interiors and exteriors IAW TO 1-1-8. Requisition decals through the air base group (ABG) at the air logistics center (ALC) having maintenance management responsibility IAW TO 1-1-8, or Sacramento DAPS. Exterior color aircraft decals have a one-year shelf life (adhesive film on the back) after manufacture; units will limit the quantity ordered to not more than a one-year supply.

2.2.1. AMC and AFRC decals are approved for aircraft application. Application of aircraft decals to non-aircraft equipment is prohibited. Decals should be requested through the Air Force Publication Distribution Center (AFPDC) web site at <http://afpubs.hq.af.mil/onlineorder/default.asp>. Users should use their organization's account (MXG, AMXS, or equivalent); those without an account must request one via AF Form 1846, **Request for and Record of Organizational Account** (paper or electronic) before placing orders. Instructions for completing AF Form 1846 are found on the AFPDC web site. Refer to **Table 2.1.** for applicable form numbers.

Table 2.1. AMC and AFRC Emblems.

Decal Size	Noncamouflage	Subdued (Gray)
12-inch	AMC Form 696-2	NA
24-inch	NA	AMC Form 706
34-inch	AMC Form 700	AMC Form 704
34-inch (AFRC EMBLEM)	NA	AMC Form 702

2.3. Silk-screening. The silk-screen printing process is approved for applying markings and insignia. Only areas free from protruding bolts, screws, rivets, or complex contours should be silk-screened. If used, silk-screen equipment will be procured using local purchase procedures (AFMAN 23-110) with organizational and maintenance (O&M) funds.

2.4. Vinyl appliqués. Appliqués such as those used with computerized stencil cutters are approved for application on AMC aircraft in accordance with the manufacturer's instructions. Finish must match the gloss level of the basecoat.

Chapter 3

MANDATORY MARKINGS

3.1. Letters and Numerals. Any style font/letter comparable to vertical block letters and Arabic numerals will be used when applying mandatory markings to AMC aircraft, IAW TO 1-1-8.

3.2. Standard Air Force Markings. Mandatory markings will be applied IAW TO 1-1-8 and the applicable table in this instruction. For identification, placement, and color of mandatory markings other than those identified in this instruction, refer to the weapon system technical orders and system drawings.

3.2.1. US Flag. Paint may be used only when high-quality templates or silk-screen processes are used. Flag decals can be obtained by submitting a DD Form 843, **Requisition for Printing and Binding Service** to Document Automation & Production Service (DAPS), 3200 Howard Street, McClellan AFB CA 95652-1335, (916) 643-4952, FAX (916) 643-2947 (or use Beale AFB operator at DSN 368-1110 and ask for an off-base line for official call). Flag decals may be purchased with the International Merchant Purchasing Authorization Card (IMPAC) card. The DoD Form 843 should be submitted directly from the requesting unit to DAPS. There is no form number or part number for flag decals; therefore a “short title” should be used. The short title is either “21-inch by 40-inch Matte Finish Flag Decal” or “24-inch by 48-inch Matte Finish Flag Decal,” as applicable. Flag decals have a one-year shelf life. For best results, use 3M edge sealer part # 4150 (designed for polyester decal films)

3.3. Standard AMC Markings:

3.3.1. Command Insignia (Emblem).

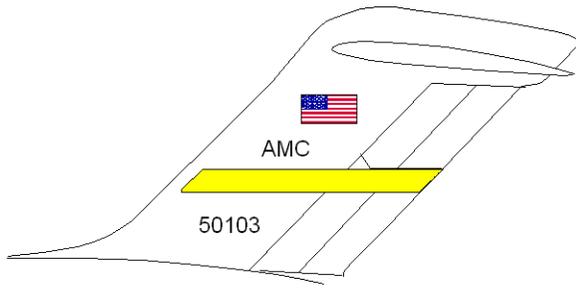
3.3.2. “AMC” Tail Letters.

3.3.3. AMC Tail Stripes.

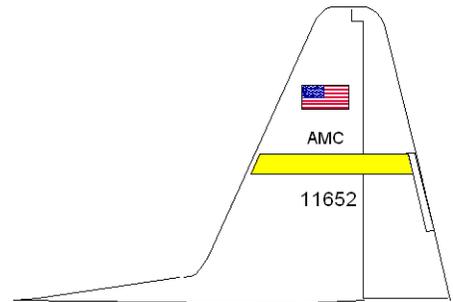
3.3.4. Parent Wing Unit Identifier.

3.3.5. Air Force Reserve Command (AFRC) Associate Wing Unit Designator and Emblem. Active duty units with attached AFRC associate wings will apply the AFRC emblem and reserve unit identifier on their aircraft. In coordination with AFRC, AMC-gained reserve units will apply AMC emblems to their aircraft.

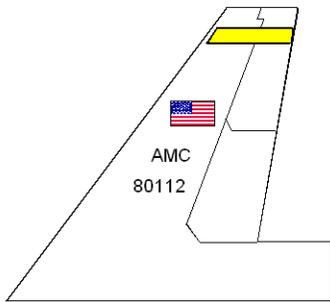
Figure 3.1. Typical Tail Configurations.



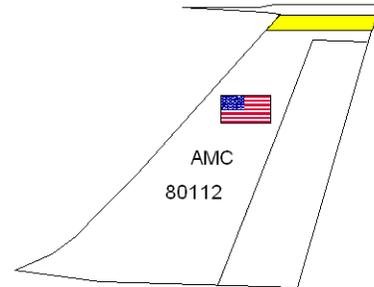
C-5, C-141, C-17



C-130



KC-10



KC-135

Chapter 4

OPTIONAL MARKINGS

4.1. Letters and Numerals. These markings may be applied using any style letter/numeral (font) deemed appropriate by the wing commander. Size and location must remain standardized for all wing-assigned aircraft.

4.2. Optional Markings. When used, the following optional markings will be applied IAW the tables in this instruction. Changes/standardization of optional markings may be done on an attrition basis to minimize workload, aircraft availability, and environmental impact.

4.2.1. Nose art is authorized on one aircraft per flying squadron, plus the wing pride aircraft. Additionally, one aircraft per wing may have the “Let’s Roll” graphic applied as nose art; it may be on one of the above aircraft, or in addition to the above aircraft. Nose art is not permitted on any aircraft flying missions where local populations may consider it sensitive or offensive. Art will reflect a theme of civic and community pride, be distinctive, symbolic, and designed and maintained to the highest quality standards. Positioning of nose art is at the discretion of the wing commander; however, it must be forward of the wing leading edge and not interfere with any mandatory markings. Nose art should be approximately two-thirds the size of the fuselage national star insignia, not to exceed three feet in diameter. All nose art applied to wing aircraft will be of standard size and location. Nose art and tail flash designs must be approved prior to installation; see paragraph 1.2.3. AMC-gained AFRC units will comply with HQ AFRC nose art guidance.

4.2.1.1. On aircraft with lusterless paint schemes, nose art and tail flash must be applied using lusterless paint and/or decals.

4.2.2. Aircraft Names are authorized on AMC aircraft only after approval by USAF/CV, IAW AFI 21-105, “Aerospace Equipment Structural Maintenance” and TO 1-1-8. The proposed name must either have a national or military theme or honor a locale adjacent to an AMC base or aircraft manufacturing point. Route recommendations through your wing CC to AMC/PA; include the proposed name and detailed justification. If applied in addition to nose art, the aircraft name and nose art must be complementary; the font, size, and location may be changed to complement the nose art.

4.2.3. The Air Force Outstanding Unit Award (AFOUA) may be applied if applicable. AFOUA decals, with and without oak leaf clusters, are available from DAPS, McClellan CA 95652 (see paragraph 3.2.1.).

4.2.4. Boom elevator markings may be applied IAW the appropriate table with the approval of the wing commander.

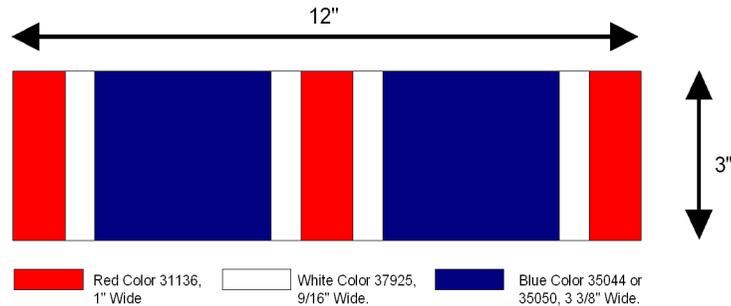
4.2.5. Each wing commander may designate one aircraft to be the wing pride aircraft; this aircraft is authorized the additional markings stated below.

4.2.5.1. Wing CC/CV names and Group Commander’s names (list all group commanders or none) may be used in place of the DCC names. The wing designator may be included in the name block.

4.2.5.2. Tail Flash may contain colors/numbers of all the squadrons assigned to the wing, but must remain within the tail band stripes specified in the applicable table.

4.2.5.3. Wing mascot/logo may be applied as nose art (in addition to the one per flying squadron), Paragraphs 1.2.3. and 4.2.1. apply.

Figure 4.1. Outstanding Unit Award.



4.2.5.4. Delete

4.2.6. Dedicated Crew Chief (DCC) and assistant DCC names will be applied IAW TO 1-1-8 and the appropriate table in this instruction and removed prior to deployment or flight into combat zones (including transient aircraft). AMC/A4 or MXG/CCs are authorized to direct the removal of all names for the duration of contingency operations. The name will consist of the abbreviated rank, first name, and last name. The first name can be either the given proper name (William, Robert, Daniel, etc.) or the more familiar shorter form (Bill, Bob, Dan, etc.). The use of an individual's middle name or initial is optional. For extremely long names, it is permissible to use the individual's rank, first initial, and last name or to use smaller letters to accommodate the entire name. Nicknames are not authorized. Size and font are at the wing CC's discretion; size not to exceed 2 ½ inches; standardized within the wing. Crew chief names will be placed in a block with a 1-inch wide outline, black in color. Unit mascot graphics, i.e., razorback and eagle head (outlines or silhouettes) may be used as the forward edge of the block in lieu of a 1-inch vertical black line. For standardization purposes, either all or none of the wing aircraft will bear the graphic. No background color is authorized. Names may be applied with vinyl letters or by stencil (use spray gun or roller) using Mil-PRF-85285 (standard aircraft exterior polyurethane paint) or latex paint.

4.2.7. AMU/Squadron/Wing Colors. Each operational squadron may have its colors and/or logos applied within the boundaries of the tail stripes, or the entire wing may share one tail stripe design.

4.2.8. **Table 4.1.** through **Table 4.7.** list the size, location and color of markings by aircraft type.

Table 4.1. C-5 Markings.

Marking	Location	Size	Color/Finish
United States Flag	Both sides of vertical stabilizer, bottom of flag on WL 626, top of flag horizontally centered between the 10 percent chord front beam and the 64 percent rear chord beam. (European One and White Cap; leave flag where currently positioned.)	Matte: 24 X 48 inches Gloss: 31.5 X 60 inches	Matte finish
“AMC” Tail Marking	Both sides of vertical stabilizer, top of letters 12 inches below bottom of flag. Top of letters will be horizontally centered between the 10 percent chord front beam and the 64 percent rear chord beam.	18 inches	37038
Tail Band Stripes	2-inch upper stripe located 12 inches below bottom of “AMC.” 2-inch lower stripe located 18 inches down from bottom of upper stripe. Stripe will run horizontally from aft edge of the leading edge seam, back to trailing edge of the rudder.	As required	37038
Radio Call Numbers	Both sides of vertical stabilizer, top of numbers located 12 inches below bottom of lower stripe. Top of numbers will be horizontally centered between the 10 percent chord front beam and the 64 percent rear chord beam.	18 inches	37038
Local Station Numbers (last 4 digits of aircraft serial number)	Both sides of fuselage, top of numbers grounded on stringer 12 on left side and stringer 11 on right side of fuselage, forward edge of number 9 inches aft of nose seam	12 inches	37038
Air Mobility Command	Bottom of visor with “Y” in “mobility” centered above antenna	10 inches	37038
Unit Identifier	Both sides of the fuselage, centered under identification number. Top of numbers and letters located 10 inches below bottom of identification numbers.	10 inches	37038
Associate Unit Identifier	Both sides of the fuselage, centered under unit identifier. Top of letters and numbers located 6 inches below bottom of unit identifier.	10 inches	37038
Air Force Outstanding Unit Award	Centered on door, bottom of decal 3 inches above the crew entry door.	See Figure 3.1 .	See Figure 3.1 .
Crew Chief Block	Exterior: Left side of fuselage only, 6 inches below and centered on the command emblem.	Wing CC Discretion	37038

Marking	Location	Size	Color/Finish
Aircraft Name	Left side of fuselage, may be one or two lines. Vertical Position: Centered on AMC emblem. Horizontal Position: Beginning of first letter in line with the beginning of the "O" in U.S. Air Force.	10 inches	37038
Command Emblem	Both sides of fuselage, top of emblem placed 2 inches below clear view window, aft-most portion placed 2 inches forward of window centerline	34 inches	As required. See Table 2.1.
AFRC Emblem	Both sides of fuselage. Located aft of AMC emblem with 4 inches between the aft-most edge of AMC emblem and leading edge of AFRC emblem. Top of AFRC emblem even with top of AMC emblem.	34 inches	As required. See Table 2.1.
National Star Insignia Outline	Both sides of fuselage, centered 59 inches aft of FS 1964 on WL 258.	50 inches	37038

Table 4.2. C-141 Markings.

Marking	Location	Size	Color/Finish
United States Flag	Both sides of vertical stabilizer, bottom of flag on WL 426 (47 inches below VOR antenna), top horizontally centered between the leading edge aft seam and rudder hinge access panel leading edge. (European One and White Cap; leave flag where currently positioned.)	24 X 48 inches	Matte finish
“AMC” Tail Marking	Both sides of vertical stabilizer, top of letters 12 inches below bottom of flag and with top horizontally centered between stabilizer leading and trailing edges.	12 inches	37038
Tail Band Stripes	2-inch upper stripe located 12 inches below bottom of “AMC.” 2-inch lower stripe located 12 inches down from bottom of upper stripe. Stripe will run horizontally from aft edge of the leading edge seam, back to trailing edge of the rudder.	As required	37038
Radio Call Numbers	Both sides of vertical stabilizer, top of numbers located 12 inches below lower edge of bottom tail band stripe. Top of numbers will be horizontally centered between leading edge aft seam and rudder hinge access panel leading edge.	12 inches	37038
Local Station Numbers (last 4 digits of the aircraft serial number)	Both sides of fuselage, centered on WL 191, 48 inches aft of FS 275 to center of marking.	6 inches	37038
Unit Identifier	Both sides of the fuselage, parallel to aircraft waterline, centered under identification numbers with top of letters and numbers located 4 inches below the bottom of the identification numbers.	6 inches	37038
Associate Unit Identifier	Both sides of the fuselage. Located under and centered on the AMC unit identifier. Top of letters and numbers 4 inches below the bottom of the AMC unit identifier.	6 inches	37038
Air Force Outstanding Unit Award	Centered on door, bottom of decal 3 inches above the crew entry door.	See Figure 3.1 .	See Figure 3.1 .
Crew Chief Block	Exterior: Left side of fuselage only, 6 inches below and centered on the command emblem.	Wing CC discretion	37038

Marking	Location	Size	Color/Finish
Aircraft Name	TBD		
Command Emblem	Both sides of fuselage. Top forward corner of emblem 12 inches aft and even with top of crew entry door.	34 inches	As required. See Table 2.1 .
AFRC Emblem	Both sides of fuselage. Located aft of AMC emblem with 12 inches between the aft-most edge of AMC emblem and leading edge of AFRC emblem. Top of AFRC emblem even with top of AMC emblem.	34 inches	As required. See Table 2.1 .
National Star Insignia Outline	Both sides of fuselage, centered on FS 1382 and WL 218.	15 inches, not camouflage: 30 inches	37038

Table 4.3. C-17 Markings.

Marking	Location	Size	Color/Finish
United States Flag	Bottom of flag is located 42 inches above top edge of the upper tail band stripe, with the top forward corner of the flag located 1 inch from the VOR/LOC-2 antenna, same location both sides of vertical stabilizer.	24 X 48 inches	Matte finish
“AMC” Tail Marking	Bottom of letters are located 12 inches above top edge of the top tail band stripe and centered on an (invisible) vertical line drawn parallel with vertical stabilizer trailing edge that intersects the center of the flag, same location both sides.	18 inches	37038
Tail Band Stripes	2-inch stripes, top of upper stripe located at vertical stabilizer coordinate ZV134. Top of lower stripe is located 18 inches below bottom of upper stripe. Stripes run horizontally from aft edge of leading edge seam to trailing edge of rudder both sides.	As required	37038
Radio Call Numbers	Both sides of vertical stabilizer, top of numbers located 12 inches below bottom of lower tail band stripe, centered on an invisible vertical line drawn parallel with the vertical stabilizer trailing edge, intersecting center of the flag.	18 inches	37038
Unit Identifier	Both sides of fuselage, centered on the identification number, top of numbers 6 inches below bottom of the identification numbers.	10 inches	37038
Associate Unit Identifier	Both sides of fuselage, centered on AMC unit identifier, top of numbers 6 inches below bottom of AMC unit designator.	10 inches	37038
Air Force Outstanding Unit Award	Centered 3 inches above crew entry door.	See Figure 3.1.	See Figure 3.1.
Command Emblem	Both sides of fuselage, most forward edge of emblem located 3 inches aft of fuselage light ring, bottom tip of emblem almost touching longeron L-32, same location.	34 inches	As required See Table 2.1.
AFRC Emblem	Located aft of the command emblem with 12 inches between aft edge of AMC command emblem and leading edge of AFRES emblem (12 inches at the nearest point), top of emblem even with top of AMC emblem.	34 inches	As required See Table 2.1.

Marking	Location	Size	Color/Finish
Crew Chief Block	Left side of fuselage only. Centered between aft edge of crew entrance door and fuselage light hinge. Bottom of block located 6 inches above top of beef-up band	Wing CC discretion	37038
Aircraft Name	Centered horizontally on the crew entry door. Bottom of marking 11 inches from top of door. Use Century Schoolbook font on two lines...arranged into a football shape. Length of marking should be between 55 and 65 inches.		37038
Local Station Numbers (last 4 digits of the aircraft serial number)	Both sides of fuselage, centered below the lower aft corner of the downview window, with the top of the numbers on fuselage coordinate Z-192.	18 inches	37038
National Star Insignia Outline (Fuselage)	Both sides of fuselage, centered on the centerline of the aft fuselage formation light, with the insignia leading edge located 6 inches aft of the light.	30 inches	37038
U.S. Air Force Marking	Both sides of fuselage, located 12 inches aft of fuselage station 27.200 and 35.38 inches above longeron 1-25.	24 inches	37038

Table 4.4. C-130 Markings.

Marking	Location	Size	Color/Finish
United States Flag	Both sides vertical stabilizer, bottom of flag located 154 inches above horizontal stabilizer with bottom of flag centered horizontally on vertical stabilizer.	24X48 inches	Matte finish
“AMC” Tail Marking	Both sides of vertical stabilizer, top of letters located 10 inches below and centered under flag.	12 inches	37038
Tail Band Stripes	2-inch upper stripe located 10 inches below bottom of “AMC,” 2-inch lower stripe located 12-inches below bottom of upper stripe. Top horizontal stripe will run from 25 inches forward of leading edge seam to trailing edge of rudder, not to extend onto rudder trim tabs; bottom stripe will run from 27 inches forward of leading edge seam to trailing edge of rudder.	As required	37038
Radio Call Numbers	Both sides of vertical stabilizer, top of numbers located 10 inches below bottom of lower tail band stripe, centered under flag.	12 inches	37038
Local Station Numbers (Last 4 digits of aircraft serial number)	Placed on both sides of fuselage, 3 inches aft of pilot’s kick window. Bottom of marking parallel to bottom of pilot’s kick window	6 inches	37038
“U.S. AIR FORCE” Fuselage Marking	Both sides of fuselage, fwd edge grounded to F.S. 172, bottom edge grounded on W.L. 235.	15 inches	37038
Unit Identifier	Both sides of fuselage, 6 inches below local station numbers. Centered on local station numbers.	6 inches	37038
Air Force Outstanding Unit Award	Centered 3 inches above crew entry door.	See Figure 3.1 .	See Figure 3.1 .
Crew Chief Block	Left side of fuselage only, 2 inches forward of crew entry door in line with top door seam	Wing CC discretion	37038
Aircraft Name	TBD		
Command Emblem	Both sides of fuselage, bottom of emblem level even with top of crew entry door, centered over first fuselage window at FS 277.	24 inches	As required. See Table 2.1 .
National Star Insignia Outline	Both sides of fuselage; see drawing 9144700.	30 inches	37038
Ice Detection Marking	Installed on both wing leading edges, starting at OWS 517, extending outboard to required length. Chordwise dimension equals 12 inches on top and bottom of leading edge.	26X24 inches	37038

Table 4.5. KC-10 Markings.

Marking	Location	Size	Color/Finish
Tail Band Stripes	Top of upper 2-inch stripe will be 18 inches down and parallel to V476.250; top of lower 2-inch stripe will be located 12 inches below the bottom of the upper stripe.	As required	37038
US Flag	Both sides of vertical stabilizer, 100 inches up from ZID 92.5, grounded on aft spar. (White Cap paint scheme will leave existing painted-on flag in place.)	24 X 48 inches	Matte finish
“AMC” Tail Marking	Both sides of vertical stabilizer, top of letters 20 inches below bottom of flag, grounded on aft spar.	12 inches	37038
Radio Call Numbers	Both sides of vertical stabilizer. Top of numbers 20 inches below bottom of “AMC” tail marking grounded on aft spar plane.	12 inches	37038
Unit Identifier	Both sides of the fuselage, 45 inches down and level from FRP, grounded at aft point of FS 392.	10 inches	37038
Associate Unit Identifier	Both sides of fuselage. Located 5 inches below and centered on AMC unit identifier.	10 inches	37038
Local Station Numbers (Last 4 digits of aircraft serial number)	Centered on both sides of nose landing gear follow-up doors.	12 inches	37038
Air Force Outstanding Unit Award	Left fwd side of fuselage 5 inches up and level with FRP, grounded at aft point with FS 383.	See Figure 3.1.	See Figure 3.1.
Crew Chief Block	Left side of fuselage only; 8 inches below and centered on the command emblem	Wing CC discretion	37038
Aircraft Name	TBD		
Command Emblem	AMC both sides of fuselage, 12 inches aft of crew entry door, grounded 5 inches up from L27 (#2 skin longeron).	34 inches	As Required. See Table 2.1.
AFRC Emblem	Both sides of fuselage. Centered between aft edge of AMC emblem and leading edge of formation light. Grounded 5 inches up from L27 (#2 skin longeron).	34 inches	As Required. See Table 2.1.
National Star Insignia Outline	Both sides of fuselage, according to Douglas drawing (NXE6403).	30 inches	37038
Boom Elevators	Highest numeric designator of station assigned (22d, 458 th , 905 th , etc.) centered on the underside of the left elevon and alpha designator (ARW, OPG, AFRC, etc.) centered on underside of the right elevon.	10 inches	36622

Table 4.6. KC-135 Markings.

Marking	Location	Size	Color/Finish
Tail Band Stripes	2-inch upper stripe grounded at WL 568.90, top of the lower 2-inch stripe located 12 inches below the bottom of the upper stripe.	As required	37038
US Flag	Both sides of vertical stabilizer, bottom of flag on WL 447, centered between stabilizer leading and trailing edges, not including rudder.	21 X 40 inches	Matte finish
National Star	Locate and size according to TO 1C-135-8		
“AMC” Tail Marking	Both sides of vertical stabilizer, centered between stabilizer leading and trailing edges, not including rudder, 12” below US Flag.	12 inches	37038
Radio Call Numbers	Both sides of vertical stabilizer. Top of numbers 12 inches below “AMC” tail marking, centered between stabilizer leading and trailing edges, not including rudder.	12 inches	37038
Unit Identifier	Both sides of the fuselage, centered, and 6 inches under identification numbers.	6 inches	37038
Associate Unit Identifier	Both sides of fuselage. Located 6 inches below and centered on AMC unit identifier.	6 inches	37038
Local Station Numbers (Last 4 digits of aircraft serial number)	Both sides of fuselage. Locate according to TO 1C-135-8.	6 inches	37038
Air Force Outstanding Unit Award	Centered 3 inches above the crew entry door.	See Figure 3.1.	See Figure 3.1.
Crew Chief Block	Left side of fuselage only; 6 inches below and centered on the command emblem	Wing CC discretion	37038
Aircraft Name	TBD		
Command Emblem	Both sides of fuselage, 16 inches aft of crew entry door, 6 inches below USAF markings. (Do not paint “US Air Force” on camouflage aircraft.)	34 inches	As required. See Table 2.1.
AFRC Emblem	Both sides of fuselage. Most forward leading edge will be located 14 3/8 inches aft of the most aft edge and aligned with the top of the AMC decal.	34 inches	As required See Table 2.1.
Boom Elevators	Highest numeric designator of station assigned (22d, 458 th , 905 th , etc.) centered on the underside of the left ruddervator and alpha designator (ARW, OPG, AFRC, etc.) centered on underside of the right ruddervator.	10 inches	36622

Table 4.7. C-21 Markings.

Marking	Location	Size	Color/Finish
United States Air Force	Both sides of fuselage, 4.5 inches above and parallel with windows.	5 inches	15044
US Flag	Both sides of vertical stabilizer, 12 inches up from top surface of HF antenna and 15.5 inches forward of rudder attach point.	9 ½ X 18 inches	Gloss
National Star Insignia Outline	Outboard of both engine nacelles, centered forward and aft on skin splice.	8 inches	
Fuselage Separation Line	Both sides of fuselage, running forward and aft, 9.5 inches below windows.	3 inches	15044 (Except AFFSA aircraft which use Red 48 UMX Imron)
Crew Chief Marking	Left nose landing gear door, 2 inches aft of forward edge. Crew chief's name will be 3 inches up from and parallel to lower edge of left nose landing gear door.	1 inch letters	17038 gloss black
Aircraft Name	TBD		
Tip Tank Separation Line	Outboard side of wing tip tanks, running forward and aft, parallel to tank centerline.	3 inches	15044 (except AFFSA aircraft which use Red 48 UMX Imron)
Radio Call Numbers	Both sides of vertical stabilizer, 9 inches below lower surface of HF antenna and 15.5 inches forward to rudder attach point.	8 inches	15044
Tail Band Markings	Both sides of the vertical stabilizer and rudder. Lettering centrally located vertically and horizontally within the tail band parallel to the aircraft centerline. Tail band starts 2 inches below the American flag. A gold stripe, blue band, and another gold stripe.	1 inch gold 8 inch blue 6 inch italicized lettering	Gold 13538 Blue 15180 Lettering gold 13538
Tail Band Markings (Andrews AFB AFFSA Aircraft)	A black stripe, a red stripe, and a black stripe. AFFSA lettering will be centered vertically and horizontally within the red stripe.	1-inch black stripes. 8-inch red stripe. 6-inch single stripe gothic lettering	Black stripe (#BAC 701) Red stripe (#291980 UW) White letters (#BAC 793)

Command Emblem	Placed on the left side of the forward fuselage, 5 inches below the corner of windshield and centered between the edge of entrance door and windshield.	12-inch	As required. See Table 2.1 .
AFFSA Command Emblem (AFFSA Aircraft)	Placed on the left side of the forward fuselage, 5 inches below the corner of windshield and centered between the edge of entrance door and windshield.	12-inch	As required. See Table 2.1 .

JEFFREY W. ACKERSON, Col, USAF
Deputy Director of Logistics

Attachment 1**GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION*****References***

AFI 21-105, *Aerospace Equipment Structural Maintenance*

AFI 48-145, *Occupational Health Program*

AFI 91-301, *Air Force Occupational and Environmental Safety, Fire Protection, and Health (AFOSH) Program*

TO 00-25-172, *Ground Servicing of Aircraft and Static Grounding/Bonding*

TO 1-1-8, *Application and removal of Organic Coatings, Aerospace and Non-Aerospace Equipment*

TO 1-1-691, *Aircraft Weapon Systems Cleaning and Corrosion Control*

TO 1C-5A-23, *System Peculiar Corrosion Control Manual, USAF Series C5A and C5B Aircraft*

TO 1C-10(K)A-2-11, *Required Placards*

TO C-17A-23, *System Peculiar Corrosion Control (Douglas Aircraft) C-17A*

TO 1C-130A-23, *System Peculiar Corrosion Control, USAF Series C-130A/B/D/E/H/N/P Aircraft*

TO 1C-135K(A)-3-4, *Corrosion Control, Prevention, Detection, Treatment, and Repair Instructions, USAF Series -135 Aircraft*

TO 1C-135-8, *Location and Application of Exterior Stencils*

TO 1C-141B-23, *System Peculiar Corrosion Control, USAF Series C-141B Aircraft*

TO 31-1-75, *General Maintenance Practices*

TO 32-1-101, *Use and Care of Hand Tools and Measuring Tools*

AFOSH STD161-2, *Industrial Ventilation*

AFOSH STD 48-8, *Controlling Exposures to Hazardous Materials*

AFOSH STD 48-137, *Respiratory Protection Program*

AFOSH STD 91-2, *Vehicle-Mounted and Rotation Work Platforms, Manually Propelled and Self-Propelled Mobile Work Platforms, and Scaffolds (Towers)*

AFOSH STD 91-31, *Personal Protective Equipment*

AFOSH STD 91-32, *Emergency Shower and Eye Wash Units*

AFOSH STD 91-43, *Flammable and Combustible Liquids*

AFOSH STD 91-56, *Fire Protection and Prevention*

AFOSH STD 91-66, *General Industrial Operations*

AFOSH STD 91-68, *Chemical Safety*

Attachment 2

IC 2003-1 TO AMCI21-105, AIRCRAFT MARKINGS AND INSIGNIA

9 October 2003

SUMMARY OF REVISIONS

This interim change (IC) 03-1 provides guidance for approval of optional markings, C-130 Markings, and tail stripes.

1.2.3.1. Nose Art: AMC/LG. Route request with wing CC approval and justification to HQ AMC/LGMJS.

1.2.3.2. Tail Flash: AMC/LG. Route request with wing CC approval and justification to HQ AMC/LGMJS.

1.2.3.3. Aircraft Names (“City of” or “Spirit of” type markings): AF/CV. Route requests through your wing CC to AMC/PA.

4.2.5.4. Delete

4.2.7. AMU/Squadron/Wing Colors. Each operational squadron may have its colors and/or logos applied within the boundaries of the tail stripes, or the entire wing may share one tail stripe design.

4.2.8. **Table 4.1.** through **Table 4.7.** list the size, location and color of markings by aircraft type.

Table 4.4. C-130 Markings.

Marking	Location	Size	Color/Finish
United States Flag	Both sides vertical stabilizer, bottom of flag located 154 inches above horizontal stabilizer with bottom of flag centered horizontally on vertical stabilizer.	24X48 inches	Matte finish
“AMC” Tail Marking	Both sides of vertical stabilizer, top of letters located 10 inches below and centered under flag.	12 inches	37038
Tail Band Stripes	2-inch upper stripe located 10 inches below bottom of “AMC,” 2-inch lower stripe located 12-inches below bottom of upper stripe. Top horizontal stripe will run from 25 inches forward of leading edge seam to trailing edge of rudder, not to extend onto rudder trim tabs; bottom stripe will run from 27 inches forward of leading edge seam to trailing edge of rudder.	As required	37038
Radio Call Numbers	Both sides of vertical stabilizer, top of numbers located 10 inches below bottom of lower tail band stripe, centered under flag.	12 inches	37038

Marking	Location	Size	Color/Finish
Local Station Numbers (Last 4 digits of aircraft serial number)	Placed on both sides of fuselage, 3 inches aft of pilot's kick window. Bottom of marking parallel to bottom of pilot's kick window	6 inches	37038
"U.S. AIR FORCE" Fuselage Marking	Both sides of fuselage, fwd edge grounded to F.S. 172, bottom edge grounded on W.L. 235.	15 inches	37038
Unit Identifier	Both sides of fuselage, 6 inches below local station numbers. Centered on local station numbers.	6 inches	37038
Air Force Outstanding Unit Award	Centered 3 inches above crew entry door.	See Figure 3.1 .	See Figure 3.1 .
Crew Chief Block	Left side of fuselage only, 2 inches forward of crew entry door in line with top door seam	Wing CC discretion	37038
Aircraft Name	TBD		
Command Emblem	Both sides of fuselage, bottom of emblem level even with top of crew entry door, centered over first fuselage window at FS 277.	24 inches	As required. See Table 2.1 .
National Star Insignia Outline	Both sides of fuselage; see drawing 9144700.	30 inches	37038
Ice Detection Marking	Installed on both wing leading edges, starting at OWS 517, extending outboard to required length. Chordwise dimension equals 12 inches on top and bottom of leading edge.	26X24 inches	37038

JEFFREY W. ACKERSON, Col, USAF

Deputy Director of Logistics

Attachment 3**IC 2004-1 TO AMCI21-105, AIRCRAFT MARKINGS AND INSIGNIA****11 MARCH 2004**

OPR: HQ AMC/A44JS (MSgt Kurt Westergaard)

Certified by: HQ AMC/A44 (Col Ben McCollum II)

SUMMARY OF REVISIONS

This interim change (IC) 04-1 provides guidance for approval of aircraft nose art and tail flash markings.

1.2.3.1. Nose Art: AMC/A4. E-mail request with wing CC approval, justification, and the design to <mailto:amc.a4.aircraftmarkings@amc.af.mil>.

1.2.3.2. Tail Flash: AMC/A4. E-mail request with wing CC approval, justification, and the design to <mailto:amc.a4.aircraftmarkings@amc.af.mil>.

1.2.3.4. Deleted

4.2.1. Nose art is authorized on one aircraft per flying squadron, plus the wing pride aircraft. Additionally, one aircraft per wing may have the "Let's Roll" graphic applied as nose art; it may be on one of the above aircraft, or in addition to the above aircraft. Nose art is not permitted on any aircraft flying missions where local populations may consider it sensitive or offensive. Art will reflect a theme of civic and community pride, be distinctive, symbolic, and designed and maintained to the highest quality standards. Positioning of nose art is at the discretion of the wing commander; however, it must be forward of the wing leading edge and not interfere with any mandatory markings. Nose art should be approximately two-thirds the size of the fuselage national star insignia, not to exceed three feet in diameter. All nose art applied to wing aircraft will be of standard size and location. Nose art and tail flash designs must be approved prior to installation; see paragraph 1.2.3. AMC-gained AFRC units will comply with HQ AFRC nose art guidance.

4.2.6. Dedicated Crew Chief (DCC) and assistant DCC names will be applied IAW TO 1-1-8 and the appropriate table in this instruction and removed prior to deployment or flight into combat zones (including transient aircraft). AMC/A4 or MXG/CCs are authorized to direct the removal of all names for the duration of contingency operations. The name will consist of the abbreviated rank, first name, and last name. The first name can be either the given proper name (William, Robert, Daniel, etc.) or the more familiar shorter form (Bill, Bob, Dan, etc.). The use of an individual's middle name or initial is optional. For extremely long names, it is permissible to use the individual's rank, first initial, and last name or to use smaller letters to accommodate the entire name. Nicknames are not authorized. Size and font are at the wing CC's discretion; size not to exceed 2 ½ inches; standardized within the wing. Crew chief names will be placed in a block with a 1-inch wide outline, black in color. Unit mascot graphics, i.e., razorback and eagle head (outlines or silhouettes) may be used as the forward edge of the block in lieu of a 1-inch vertical black line. For standardization purposes, either all or none of the wing aircraft will bear the graphic.

No background color is authorized. Names may be applied with vinyl letters or by stencil (use spray gun or roller) using Mil-PRF-85285 (standard aircraft exterior polyurethane paint) or latex paint.

JEFFREY W. ACKERSON, Colonel, USAF

Deputy Director of Logistics