

$$\frac{W_c}{13,045 \text{ kg}}$$

or

$$\frac{2 \times (\text{Experiment volume}) + \text{Storage volume, m}^3}{40 \text{ m}^3}$$

(ii) *Shuttle charge factors and element charge factors for pressurized modules.* Shuttle charge factors and element charge factors are identical and are defined as follows:

If the Spacelab load fraction (and Shuttle load factor) is:	The element charge factor and Shuttle charge factor will be:
Less than 0.00435	0.005
0.00435 to 0.87	Spacelab load fraction divided by 0.87
Greater than 0.87	1.0

(iii) *Element charge factors for shared pallets.*

If the Spacelab load fraction is:	The element charge factor will be:
Less than 0.0189	0.0218
0.0189 to 0.87	Spacelab load fraction divided by 0.87
Greater than 0.87	1.0

(iv) *Shuttle charge factors for shared pallets.*

If the Shuttle load factor is:	The Shuttle charge factor will be:
Less than 0.00375	0.005
0.00375 to 0.75	Shuttle load factor divided by 0.75
Greater than 0.75	1.0

(v) *Total reimbursement.* (A) The customer's total reimbursement is as defined in § 1214.119(d)(6)(iii).

(B) If a customer contracts for portions of more than one element, the charges for the use of the elements will apply individually to each element used.

(vi) *Pressurized module experiment volume.* Experiment volume in the pressurized module is defined to be the sum of the customer's payload volume in racks and in the center aisle.

(A) Rack volume is defined relative to basic Air Transportation Rack (ATR) configurations. The customer's rack volume will be defined as the vol-

ume of one or more rectangular parallelepipeds (rectangular-sided boxes) which totally enclose the cuss payload. Width dimensions will be either 45.1 or 94.0 centimeters. Height dimensions will be integral multiples of 4.45 centimeters. Depth dimensions will be 61.2 or 40.2 centimeters.

(B) Center aisle space volume is defined as the volume of a rectangular parallelepiped which totally encloses the customer's payload. No edge of the parallelepiped will be less than 30 centimeters in length.

(vii) *Pressurized module storage volume.* Storage volume in the pressurized module is defined as the volume of one or more rectangular parallelepipeds enclosing the customer's stowed payload. No edge of the parallelepiped(s) will be less than 30 centimeters in length.

(viii) *Pallet payload volume.* Volume of the customer's pallet-mounted payload is defined as the volume of a rectangular parallelepiped enclosing the pallet payload and customer-dictated mounting hardware. No edge of the parallelepiped will be less than 30 centimeters in length.

Subpart 1214.2—Reimbursement for Shuttle Services Provided to Civil U.S. Government Users and Foreign Users Who Have Made Substantial Investment in the STS Program

SOURCE: 42 FR 8631, Feb. 11, 1977, unless otherwise noted.

§ 1214.200 Scope.

This subpart 1214.2 sets forth:

(a) The policy on reimbursement for Shuttle services which are provided by NASA to users (as defined in § 1214.201) under launch services agreements, and

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(b) Responsibilities for putting such policy into effect and carrying it out.

§ 1214.201 Definition.

For the purpose of this subpart, the term *users* means:

(a) For all civil U.S. Government agencies who request Shuttle services from NASA, and

(b) Foreign users who have made substantial investment in the STS program, i.e., European Space Agency (ESA), ESA member or observer nations participating in Spacelab development, and Canada, when conducting experimental science or experimental applications missions with no near-term commercial implications.

§ 1214.202 Reimbursement policy.

(a) *Features of policy.* (1) All users will be charged on a fixed price basis; there will be no post-flight charges, except for prespecified optional services.

(2) The price will be based on estimated costs.

(3) The price will be held constant for flights in the first three years of Space Transportation System (STS) operations.

(4) Payments shall be escalated according to the Bureau of Labor Statistics Index for Compensation per hour, Total Private.

(5) Subsequent to the first three years, the price will be adjusted annually to insure that total operating costs are recovered over a twelve-year period.

(6) Pricing incentives are designed to maximize the proper utilization of the STS.

(b) *Dedicated flight reimbursements.* (1) For the purposes of this policy, a dedicated flight is one sold to a single user.

(2) The policy is established for two distinct phases of Shuttle operations. The first phase is through the third full fiscal year of Shuttle operations and the second phase consists of nine full fiscal years subsequent to the first phase.

(i) For a dedicated Shuttle flight during the first phase, NASA shall be reimbursed in an amount which is a pro-rata share of forecast additive costs averaged over the first phase of three years; however, the price shall not be less than a pro-rata share of forecast

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total operating costs averaged over both the first and second phases of the twelve year Shuttle operation period.

(ii) For a dedicated Shuttle flight during the second phase, NASA shall be reimbursed a pro-rata share of forecast total operating costs over both phases to insure that total operating costs are recovered over the twelve year period.

(iii) The definition of the costs are specified in this subpart are set forth in appendix A to this subpart.

(iv) Subject to NASA approval, a dedicated flight user may apportion and assign STS services to other STS users provided they satisfy STS user requirements. The price of integrating additional payloads will be negotiated.

(v) A summary of standard Shuttle services included in the flight price is set forth in appendix B to subpart 1214.1.

(vi) The prices of optional Shuttle services are being developed and shall be set forth in the Shuttle Price Book which is being developed. A summary of the optional services is set forth in appendix C to subpart 1214.1.

(vii) For the user with an experimental, new use of space or first time use of space of great public value, the reimbursement to NASA for the dedicated, standard Shuttle flight in either the first or second phase shall be a pro-rata share of the average twelve year additive costs as estimated at the time of negotiations. Programs which qualify for this price will be determined by an STS Exceptional Program Selection Process. In all cases, the Administrator will be the selection official.

(viii) For dedicated flight users, NASA and the user will identify a desired launch date within a period of ninety days three years prior to flight. One year prior to the flight, a firm launch and payload delivery date will be identified by NASA. The firm launch date will be within the first sixty days of the original ninety day period. Launch will occur on the firmly scheduled launch date or within a period of thirty days thereafter. The payload must be ready to launch for the duration of that period.

(c) *Shared flight reimbursements.* (1) The price of a shared Shuttle flight will be a fraction of the dedicated Shuttle flight price. The fraction will