

March 15, 2017

1200 New Jersey Ave., SE Washington, D.C. 20590

In Reply Refer To: HSST-1/CC-126D

Mr. Kaddo Kothman Road Systems, Inc. 36 161 Howard County Airport Big Spring, TX 79720

Dear Mr. Kothman:

This letter is in response to the, 2016, request from Stephen Matsusaka for the Federal Highway Administration (FHWA) to review a roadside safety device, hardware, or system for eligibility for reimbursement under the Federal-aid highway program. This FHWA letter of eligibility is assigned FHWA control number CC-126D and is valid until a subsequent letter is issued by FHWA that expressly references this device.

Decision

The following devices are eligible, with details provided in the form which is attached as an integral part of this letter:

 Test Level 2 MSKT- SP-MGS (MASH Sequential Kinking Terminal, Standard Posts, Midwest Guardrail System)

Scope of this Letter

To be found eligible for Federal-aid funding, new roadside safety devices should meet the crash test and evaluation criteria contained in the American Association of State Highway and Transportation Officials' Manual for Assessing Safety Hardware (MASH). However, the FHWA, the Department of Transportation, and the United States Government do not regulate the manufacture of roadside safety devices. Eligibility for reimbursement under the Federal-aid highway program does not establish approval, certification or endorsement of the device for any particular purpose or use.

This letter is not a determination by the FHWA, the Department of Transportation, or the United States Government that a vehicle crash involving the device will result in any particular outcome, nor is it a guarantee of the in-service performance of this device. Proper manufacturing, installation, and maintenance are required in order for this device to function as tested.

This finding of eligibility is limited to the crashworthiness of the system and does not cover other structural features, nor conformity with the Manual on Uniform Traffic Control Devices.

Eligibility for Reimbursement

FHWA previously issued an eligibility letter for the roadside safety system described in your pending request. Your pending request now identifies a modification to that roadside safety system.

The original roadside safety device information is provided here:

Name of system:

MSKT- MASH Sequential Kinking Terminal

Type of system:

W-Beam Guardrail Terminal

Date of original request:

January 20, 2016

Original FHWA eligibility letter:

September 21, 2016

FHWA Control number:

CC-126

The pending modification(s) consists of the following changes:

1. Shorten nominal length of the system from 50 feet to 25 feet. Anchor and impact head are unaffected by this change in system length.

FHWA concurs with the recommendation of the accredited crash testing laboratory as stated within the attached form.

Full Description of the Eligible Device

The device and supporting documentation, including reports of the crash tests or other testing done, videos of any crash testing, and/or drawings of the device, are described in the attached form.

Notice

If a manufacturer makes any modification to any of their roadside safety hardware that has an existing eligibility letter from FHWA, the manufacturer must notify FHWA of such modification with a request for continued eligibility for reimbursement. The notice of all modifications to a device must be accompanied by:

- O Significant modifications For these modifications, crash test results must be submitted with accompanying documentation and videos.
- Non-signification modifications For these modifications, a statement from the crash test laboratory on the potential effect of the modification on the ability of the device to meet the relevant crash test criteria.

FHWA's determination of continued eligibility for the modified hardware will be based on whether the modified hardware will continue to meet the relevant crash test criteria.

You are expected to supply potential users with sufficient information on design, installation and maintenance requirements to ensure proper performance.

You are expected to certify to potential users that the hardware furnished has the same chemistry, mechanical properties, and geometry as that submitted for review, and that it will meet the test and evaluation criteria of the MASH.

Issuance of this letter does not convey property rights of any sort or any exclusive privilege. This letter is based on the premise that information and reports submitted by you are accurate and correct. We reserve the right to modify or revoke this letter if: (1) there are any inaccuracies in the information submitted in support of your request for this letter, (2) the qualification testing was flawed, (3) in-service performance or other information reveals safety problems, (4) the system is significantly different from the version that was crash tested, or (5) any other information indicates that the letter was issued in error or otherwise does not reflect full and complete information about the crashworthiness of the system.

Standard Provisions

- To prevent misunderstanding by others, this letter of eligibility designated as FHWA control numbers CC-126D shall not be reproduced except in full. This letter and the test documentation upon which it is based are public information. All such letters and documentation may be reviewed upon request.
- This letter shall not be construed as authorization or consent by the FHWA to use, manufacture, or sell any patented system for which the applicant is not the patent holder.
- If the subject device is a patented product it may be considered to be proprietary. If proprietary systems are specified by a highway agency for use on Federal-aid projects:

 (a) they must be supplied through competitive bidding with equally suitable unpatented items; (b) the highway agency must certify that they are essential for synchronization with the existing highway facilities or that no equally suitable alternative exists; or (c) they must be used for research or for a distinctive type of construction on relatively short sections of road for experimental purposes. Our regulations concerning proprietary products are contained in Title 23, Code of Federal Regulations, Section 635.411.

Sincerely yours,

Michael S. Griffith

Director, Office of Safety Technologies

Modrael S. Fullet

Office of Safety

Enclosures

Request for Federal Aid Reimbursement Eligibility of Highway Safety Hardware

	Date of Request:	February 09, 2017	<a>New	C Resubmission
	Name:	Balbino A. Beltran		
itter	Company:	KARCO Engineering, LLC.		
Submi	Address:	9270 Holly Road Adelanto, CA 92301		
Su	Country:	United States		
	To:	Michael S. Griffith, Director FHWA, Office of Safety Technologies		

I request the following devices be considered eligible for reimbursement under the Federal-aid highway program.

Device & Testing Criterio	on - Enter from right to left sta	arting with Test Level		!-!-!
System Type	Submission Type	Device Name / Variant	Testing Criterion	Test Level
			A A CLITO NA A CLI	

System Type	Submission Type	Device Name / Variant	Testing Criterion	Test Level
	Physical Crash TestingEngineering Analysis	MSKT Terminal	AASHTO MASH	TL2

By submitting this request for review and evaluation by the Federal Highway Administration, I certify that the product(s) was (were) tested in conformity with the AASHTO Manual for Assessing Safety Hardware and that the evaluation results meet the appropriate evaluation criteria in the MASH.

Individual or Organization responsible for the product:

Contact Name:	Kaddo Kothman	Same as Submitter
Company Name:	Road Systems, Inc.	Same as Submitter
Address:	3616 Howard County Airport, Big Spring TX 79720	Same as Submitter
Country:	United States	Same as Submitter
Eligibility Process f	closures of financial interests as required by the FHWA `Fede or Safety Hardware Devices' document.	eral-Aid Reimbursement
Road Systems, Inc. is	the manufacturer and marketer of device.	
entity. The company (husband and wife) and compliance/cer principals and staff of interest in any compliance interest should arise	LLC is an independent research and testing laboratory having not is solely-owned and operated by Mr. Frank D. Richardson and Mand was established on September 2, 1994. KARCO is actively invitification testing for a variety of government agencies and equip of KARCO Engineering have no past or present financial, contract cany or entity directly or indirectly related to the products that KARCO engineering fees for testing, reporting, etc., with respect to the FHWA.	s. Jennifer W. Peng olved in data acquisition ment manufacturers. The ual or organizational ARCO tests. If any financial

PRODUCT DESCRIPTION

New Hardware or Significant Modification

 Modification to Existing Hardware

Non-Significant

The MSKT-SP-MGS (MASH Sequential Kinking Terminal - Standard Post - Midwest Guardrail System) terminal, as approved in CC-126 dated June 10, 2016, is a W-beam guardrail terminal consisting of an impact head assembly, a breakaway cable anchorage system and a 12.5 ft (3.8 m) end section. The system requires use of 37.5 ft (11.4 m) of standard guardrail downstream mounted on 8-in. (203-mm) deep wood or composite blocks and 6 ft (1.8 m) long W6x9 (or W6x8.5) steel posts. A 9.4 ft (2.9 m) W-beam rail section is required downstream of Post 3 to transition the rail splices to mid-span.

On lower speed roadways, some State standards allow the use of Test Level 2 (TL-2) terminals due to site restrictions and cost considerations. To accommodate these varying States standards, it is requested that the use of a TL-2 version be approved for the MSKT terminal.

This variation was approved for the NCHRP 350 SKT terminal as shown in CC-40A dated February 4, 2000 and in CC-88D dated January 29, 2010. There is no indication that this variation has caused any real-world problem in the field.

Figure 1 shows a schematic drawing of the TL-2 MSKT terminal while a schematic drawing of the TL-3 MSKT terminal is shown in Figure 2. Except for the shortening of the nominal length of the terminal from 50 ft (15.2 m) to 25 ft (7.6 m), the components and layout of the terminals are identical for the TL-2 and TL-3 terminals. For head-on tests (Tests 30, 31, 32, and 33), the deceleration and force levels imparted by the terminal on the vehicle should be similar, but lower due to the lower initial impact speed of 70 km/h (43.8 mph) versus 100 km/h (62.2 mph) for TL-3. The kinetic energy to be dissipated for a TL-2 test is slightly less than half (49%) of that for a TL-3 test. Thus, only half of the length of the TL-3 terminal is required for a TL-2 terminal, i. e., half of 50 ft (15.2 m) for a TL-3 terminal or 25 ft (7.6 m) for the TL-2 terminal. Note that, because of the mid-span splices, the actual amount of W-Beam rail that will be supplied for a TL-2 application will be either 21'-10 ½" or 28'-1 ½" depending on the State DOT pay limits.

Based on acceleration data from Test 3-31 for the MSKT (KARCO Test No. P34149-01), the pickup truck slowed from 100.3 km/h (62.4 mph) to 70 km/h (43.5 mph) over a distance of 22 ft 9 in. (6.93 m). In other words, the vehicle lost half (51%) of the kinetic energy in this distance. It is reasonable to assume that the vehicle would lose the remaining half (49%) of its kinetic energy in a similar or shorter distance. Thus, a nominal length of 25 ft (7.6 m) is adequate for a TL-2 MSKT terminal.

For redirectional impacts (Tests 34 and 35), there is no reason to be concerned about the anchorage capacity since the anchorage system is the same as that for the TL-3 terminal which has successfully passed these redirectional tests at a higher impact velocity. As for the reverse direction impact (Test 37), the length of the terminal has no effect on this test, thus it is reasonable to conclude that this test is also not an issue with the TL-2 terminal.

In summary, TL-2 approvals have been given for other NCHRP 350 and MASH terminals and the in-service history has not identified any problem with the field performance. In addition, it is reasonable to expect that the MSKT terminal would perform satisfactorily in all the required crash tests as explained above. Thus, it may be concluded that the Test Level 2 (TL-2) version of the terminal, with a nominal length of 25 feet (15.2 m), should be approved for the MSKT terminal.

CRASH TESTING

By signature below, the Engineer affiliated with the testing laboratory, agrees in support of this submission that the Modification to Existing Hardware is deemed Non-significant for the device listed above to meet the MASH criteria.

Engineer Name:	Balbino A. Beltran	
Engineer Signature:	Balbino Alexander Beltran	Digitally signed by Balbino Alexander Beltran DN: cn=Balbino Alexander Beltran, o=KARCO Engineering, ou, email=abeltran@karco.com, c=US Date: 2017.01.06 09:20:10 -08'00'
Address:	9270 Holly Road Adelanto, CA 92301	Same as Submitter 🖂
Country:	United States	Same as Submitter 🖂

A brief description of each crash test and its result:

Required Test Number	Narrative Description	Evaluation Results
	KARCO Test No. P35125-01. An 1100C (2,425 lb) passenger car impacting the terminal end-on at a nominal impact speed and angle of 100 km/h (62.2 mph) and 0 degrees, respectively, with the quarter point of the vehicle aligned with the center line of the nose of the terminal. This test is primarily intended to evaluate occupant risk and vehicle trajectory criteria. The test vehicle, a 2009 Kia Rio 4-door sedan weighing 2,390.9 lb (1,084.5 kg), impacted the MASH SKT terminal head on at impact speed and angle of 61.54 mph (99.05 km/h) and 0.9 degree, respectively. The vehicle pushed the impact head down the length of the guardrail past the fifth post, at which point the rail began to buckle and the vehicle began to yaw counter-clockwise until it impacted the rail at the bend before coming to a stop next to the rail on the traffic side. The test vehicle sustained moderate damage to the front end with no occupant compartment deformation. The	Results
	vehicle remained upright without excessive roll or pitch. The test article was extensively damage from Post 1 through Post 5 and the rail wrapped around Post 6. The Occupant Impact Velocities (OIV) and ridedown accelerations are within the recommended limits. The MSKT-SP-MGS terminal passed all evaluation criteria for Test 3-30. Based on engineering judgment it is reasonable to conclude that the TL-2 version of the MSKT terminal with a nominal length of 25 ft. (15.2 m) would perform satisfactorily to test 2-30.	

		Page 4 of 1.
Required Test Number	Narrative Description	Evaluation Results
	KARCO Test No. P34149-01. A 2270P (5,000 lb) pickup truck impacting the terminal endon at a nominal impact speed and angle of 100 km/h (62.2 mph) and 0 degrees, respectively, with the center line of the vehicle aligned with the center line of the nose of the terminal. This test is primarily intended to evaluate occupant risk and vehicle trajectory criteria.	
2-31 (2270P)	The test vehicle, a 2008 Dodge Ram 4-door pickup truck, with a test inertial mass weighing 4,896.4 lb (2,221 kg). impacted the MASH SKT terminal head-on at impact speed and angle of 62.33 mph (100.31 km/h) and 0.4 degrees, respectively. The vehicle pushed the impact head down the length of the guardrail past Post 8 and came to rest 50.5 ft (15.4 m) from the point of initial impact The test vehicle sustained moderate damage to the front end with no occupant compartment deformation. The vehicle remained upright and stable. The test article was extensively damaged from Post 1 through Post 8. The Occupant Impact Velocities (OIV) and ridedown accelerations are within the recommended limits. The MSKT-SP terminal passed all evaluation criteria for Test 3-31.	Modification has no effect on crashworthiness
	Based on engineering judgment it is reasonable to conclude that the TL-2 version of the MSKT terminal with a nominal length of 25 ft. (15.2 m) would perform satisfactorily to test 2-31	

KARCO Test No. P35025-01. An 1100C (2,425 lb) passenger car impacting the terminal end-on at a nominal impact speed and angle of 100 km/h (62.2 mph) and 5 degrees, respectively, with the center line of the vehicle aligned with the center line of the nose of the terminal. This test is primarily intended to evaluate occupant risk and vehicle trajectory criteria.

The test vehicle, a 2010 Kia Rio 4-door sedan weighing 2,457.0 lb (1,114.5 kg), impacted the MASH SKT terminal head-on at impact speed and angle of 61.47 mph (98.93 km/h) and 4.4 degrees, respectively. The vehicle pushed the impact head down the length of the guardrail past the fifth post, at which point the vehicle mounted the guardrail. Upon dismounting the rail, the vehicle proceeded forward and to the left and remained upright throughout the impact sequence. The test vehicle sustained moderate damage to the front and left side with no occupant compartment deformation. The vehicle remained upright and stable. The test article was extensively damaged from Post 1 through Post 5. The Occupant Impact Velocities (OIV) and ridedown accelerations are within the recommended limits. The MSKT-SP-MGS terminal passed all evaluation criteria for

Based on engineering judgment it is

reasonable to conclude that the TL-2

length of 25 ft. (15.2 m) would perform

satisfactorily to test 2-32.

version of the MSKT terminal with a nominal

Modification has no effect on crashworthiness

2-32 (1100C)

Test 3-32.

KARCO Test No. P34149-04. A 2270P (5,000 lb) pickup truck impacting the terminal endon at a nominal impact speed and angle of 100 km/h (62.2 mph) and 5 degrees, respectively, with the center line of the vehicle aligned with the center line of the nose of the terminal. This test is primarily intended to evaluate occupant risk and vehicle trajectory criteria.

The test vehicle, a 2008 Dodge Ram 4-door pickup truck weighing 4,895.3 lb (2,220.5 kg), impacted the MASH SKT terminal headon at an impact speed and angle of 62.74 mph (100.97 km/h) and 5.7 degrees, respectively. The vehicle pushed the impact head down the guardrail past the fifth post at which point the vehicle mounted the guardrail in a controlled manner without excessive deceleration and proceeded forward. The vehicle then impacted Post 6 before separating from the guardrail. The vehicle impacted the test article again between Posts 23 and 24. The vehicle sustained moderate damage at the front and left side and deformations to the occupant compartment were negligible. The vehicle remained upright and stable. The test article was extensively damaged from Posts 1 through Post 6. Post 7 was not impacted, but separated from the guardrail as a result of the rail buckling. The Occupant Impact Velocities (OIV) and ridedown accelerations are within the recommended limits. The MSKT-SP terminal passed all

evaluation criteria for Test 3-33.

satisfactorily to test 2-33.

Based on engineering judgment it is

reasonable to conclude that the TL-2

length of 25 ft. (15.2 m) would perform

version of the MSKT terminal with a nominal

Modification has no effect on crashworthiness

2-33 (2270P)

KARCO Test No. P35126-01. An 1100C (2,425 lb) passenger car impacting the terminal at a nominal impact speed and angle of 62.2 mph (100 km/h) and 15 degrees, respectively, with the corner of the vehicle bumper aligned with the critical impact point (CIP) of the length of need (LON) of the terminal. This test is primarily intended to evaluate occupant risk and vehicle trajectory criteria.

The test vehicle, a 2010 Kia Rio 4-door sedan weighing 2,436.1 lb (1,105.0 kg), impacted the downstream end of the impact head between Posts 1 and 2 at impact speed and angle of 61.37 mph (98.77 km/h) and 15.3 degrees, respectively. The vehicle was contained and redirected by the guardrail before separating from the test article near Post 6 at a velocity of 27.7 mph and an exit angle of 17.0 degrees and proceeded downstream adjacent to the guardrail. The vehicle remained upright and stable throughout the impact sequence. The test vehicle sustained moderate damage to the front right side with no occupant compartment deformation. The test article was extensively damaged from Post 1 through Post 5. The Occupant Impact Velocities (OIV) and ridedown accelerations are within the recommended limits. The MSKT-SP-MGS terminal passed all evaluation criteria for Test 3-34.

Modification has no effect on crashworthiness

2-34 (1100C)

Based on engineering judgment it is reasonable to conclude that the TL-2 version of the MSKT terminal with a nominal length of 25 ft. (15.2 m) would perform satisfactorily to test 2-34.

KARCO Test No. P35103-01. A 2270P (5,000 lb) pickup truck impacting the terminal at a nominal impact speed and angle of 100 km/h (62.2 mph) and 25 degrees, respectively, with the corner of the vehicle bumper aligned with the beginning of the length-ofneed (LON) of the terminal. This test is primarily intended to evaluate structural adequacy and vehicle trajectory criteria.

The test vehicle, a 2011 Dodge Ram 4-door pickup truck weighing 4,942.6 lb (2,242.0 kg), impacted the guardrail at Post 3, the beginning of length-of-need, at impact speed and angle of 62.36 mph (100.36 km/ h) and 26 degrees, respectively. The vehicle was contained and redirected by the guardrail before separating from the test article near Post 9 at a velocity of 32.75 mph (52.71 km/h) and an exit angle of 34.93 degrees and proceeded downstream adjacent to the guardrail on the traffic side. The vehicle then veered back toward the guardrail and impacted Post 20 before coming to rest at Post 26. The vehicle remained upright and stable throughout the impact sequence. The test vehicle sustained moderate damage to the front right side with no occupant compartment deformation. The test article was extensively damaged from Post 1 through Post 9. The maximum static lateral deformation was 30.2 in (768 mm) between Posts 5 and 6. The Occupant Impact Velocities (OIV) and ridedown accelerations are within the recommended limits. The MSKT-SP-MGS terminal passed all evaluation criteria for Test 3-35.

2-35 (2270P)

Modification has no effect on crashworthiness

Based on engineering judgment it is reasonable to conclude that the TL-2 version of the MSKT terminal with a nominal length of 25 ft. (15.2 m) would perform satisfactorily to test 2-35.

		Page 9 of 1.
2-36 (2270P)	MASH Test Designation 3-36. A 2270P (5,000 lb) pickup truck impacting the terminal at a nominal impact speed and angle of 100 km/h (62 mph) and 25 degrees, respectively, with the corner of the vehicle bumper aligned with the critical impact point (CIP) with respect to the transition to the stiff barrier or backup structure. This test is primarily intended to evaluate the performance of the terminal when connected to a stiff barrier or a backup structure. As a W-beam guardrail terminal, the MSKT-SP-MGS terminal is designed to attach to W-beam barrier, transitions to alternative barriers downstream of the terminal will require case-by-case evaluation.	Non-Relevant Test, not conducted

2-37 (2270P)	Test No. P35025-02. A 2270P (5,000 lb) pickup truck impacting the terminal at a nominal impact speed and angle of 62.2 mph (100 km/h) and 25 degrees, respectively, midpoint between the nose and the end of the terminal in the reverse direction. This test is intended to evaluate the performance of a terminal for a "reverse" hit. Successful testing of other cable anchor systems with the 1100C indicates that the 2270P is more critical with the concern of override and interaction with the terminal head. The test vehicle, a 2009 Dodge Ram 4-door pickup truck weighing 4,964.7 lb (2,252.0 kg), impacted the guardrail at Post 3 with an impact speed and angle of 63.13 mph (101.6 km/h) and 24.9 degrees, respectively. The vehicle impacted Post 2, the back side of the impact head, and then Post 1 before separating from the test article at an angle of 13.37 degrees clockwise from its original path. The vehicle sustained moderate front end damage with no deformation to the occupant compartment. The test article received extensive damage between Posts 1 and 2. The impact head was forced off the rail element and the cable anchor assembly was separated from the guardrail. The Occupant Impact Velocities (OIV) and	Modification has no effect on crashworthiness
	recommended limits. The MSKT-SP-MGS terminal passed all evaluation criteria for Test 3-37. Based on engineering judgment it is reasonable to conclude that the TL-2 version of the MSKT terminal with a nominal length of 25 ft. (15.2 m) would perform satisfactorily to test 2-37.	
2-38 (1500A)	MASH Test Designation 3-38. A 1500A (3,307 lb) passenger car impacting the terminal end-on at a nominal impact speed and angle of 100 km/h (62.2 mph) and 0 degree, respectively, with the center line of the vehicle aligned with the center line of the nose of the terminal. This test is primarily intended to evaluate the performance of the staged attenuator/terminal when impacted by a mid-size vehicle.	Non-Relevant Test, not conducted
	The MSKT-SP-MGS terminal is not a staged device, because the force required to move the impact head down the rail does not change. The 3-30 test with the 1100C vehicle makes this test unnecessary.	

2-40 (1100C)	Test for non-redirective crash cushion, not applicable for terminals	Non-Relevant Test, not conducted
2-41 (2270P)	Test for non-redirective crash cushion, not applicable for terminals	Non-Relevant Test, not conducted
2-42 (1100C)	Test for non-redirective crash cushion, not applicable for terminals	Non-Relevant Test, not conducted
2-43 (2270P)	Test for non-redirective crash cushion, not applicable for terminals	Non-Relevant Test, not conducted
2-44 (2270P)	Test for non-redirective crash cushion, not applicable for terminals	Non-Relevant Test, not conducted
2-45 (1500A)	Test for non-redirective crash cushion, not applicable for terminals	Non-Relevant Test, not conducted

Testing Laboratory's signature	concurs that these modifications are	considered N	lon-Significant.
Laboratory Name:	KARCO Engineering, INC		
Laboratory Signature:	Balbino Alexander Beltran	Digitally signed by Balbino DN: cn=Balbino Alexander email=abeltran@karco.com Date: 2017.01.06 09:20:45	Beltran, o=KARCO Engineering, ou, n, c=US
Address:	9270 Holly Road Adelanto, CA 92301		Same as Submitter 🔀
Country:	United States		Same as Submitter 🔀
Accreditation Certificate Number and Dates of current Accreditation period:	TL-371; December 18, 2015 through De	cember 18, 20	17

Submitter Signature*: Balbino Alexander Beltran

Beltran

Beltran

Bigitally signed by Balbino Alexander Beltran

Digitally signed by Balbino Alexander Beltran

DN: cn=Balbino Alexander Beltran

Engineering, ou, email=abeltran@karco.com
c=US

Date: 2017.01.06 09:21:55 -08'00'

Submit Form

ATTACHMENTS

Attach to this form:

- 1) Additional disclosures of related financial interest as indicated above.
- 2) A copy of the full test report, video, and a Test Data Summary Sheet for each test conducted in support of this request.
- 3) A drawing or drawings of the device(s) that conform to the Task Force-13 Drawing Specifications [Hardware Guide Drawing Standards]. For proprietary products, a single isometric line drawing is usually acceptable to illustrate the product, with detailed specifications, intended use, and contact information provided on the reverse. Additional drawings (not in TF-13 format) showing details that are relevant to understanding the dimensions and performance of the device should also be submitted to facilitate our review.

FHWA Official Business Only:

Eligibil	ity Letter		
Number	Date	Key Words	