## Application and Review Checklist for (Acceptance, 1st, or 2nd) Review for SSD 00-000

SUMMARY DATA					
Name and Complete Mailing Address of the Applicant:  EADS Solven North America		Name, Title, and Telephone Number of the Individual to Be Contacted If Additional Information or Clarification Is Needed by the NRC:  Richard Fahn, President 858-457-2000			
The Applicant is (check one):		If the Applicant Is Not the Manufacturer, Provide the Name and			
Custom User		Comple	ete Mailing Address of the Manufacturer:		
Manufacturer Distributor					
			1		
Manufac	cturer and Distributor		·		
If the Applicant Is a Custom User, Provide the Name and Complete Mailing Address of the Distributor:		Provide the Name, Complete Mailing Address, and Function of Other Companies Involved:  **Mazer Research*, Tric**  distributor of source used in device			
Model Number: CNA Senco		Principal Use Code (see Appendix C): H: Gen Nieth Succ			
	the Industry to Identify the	For Use	e by:		
	Radiography Exposure erapy Source, Calibration	Specific Licensees Only			
Source, etc.):		General Licensees Only			
Neutra	Analyze	Both Specific and General Licensees			
	,	Persons Exempt from Licensing			
Leak-Test Freq	uency:		Principal Section of the 10 CFR that Applies to the User (e.g.,		
Periodic	Leak-Testing is Not Required	Genera	Il Licensees under 10 CFR 31.5):		
6 Month	s	Radionuclides and Maximum Activities (including loading			
:	d is justification for a leak test by of greater than 6 months	tolerance): H-3 3.3 Cr nom/3.63 mzx			
CERTIFICATIO	N:				
BINDING UPON T THE APPLICANT ITEM 2, CERTIFY REGULATIONS, F BEST OF THEIR I WARNING: 18 U.S WILLFULLY FALS AS TO ANY MATT	THE APPLICANT.  AND ANY OFFICIAL EXECUTING THAT THIS APPLICATION IS PIPARTS 30 AND 32 AND THAT AL KNOWLEDGE AND BELIEF.  S.C. SECTION 1001 ACT OF JUNG SE STATEMENT OR REPRESEN TER WITHIN ITS JURISDICTION	G THIS C REPAREI L INFOR NE 25, 19 TATION	S AND REPRESENTATIONS MADE IN THIS APPLICATION ARE SERTIFICATION ON BEHALF OF THE APPLICANT, NAMED IN D IN CONFORMITY WITH TITLE 10, CODE OF FEDERAL MATION CONTAINED HEREIN IS TRUE AND CORRECT TO THE 48 62 STAT. 749 MAKES IT A CRIMINAL OFFENSE TO MAKE A TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES		
Certifying Officer — Typed Name and Title					
Signature:	Signature: Date:				

## CHECKLIST

Registration Certificate Holder: £ADS SO SERN

Model: CMA Sected

DESCRIPTION	OK/DEF		COMMENTS	
	1 <sup>st</sup> Reviewer	2 <sup>nd</sup> Reviewer		
DESCRIPTION/CONSTRUCTION				
If registration certificate holder is requesting to register more than one source/device on a certificate, are designs similar enough to do so?	28	LP	change shielding makeriely overall size	
Device/source design with complete engineering drawings (dimensions, tolerances, list of materials)	2)	LP		
Assembly methods (screw, welds, etc.); verify integrity	I)	200	interlocking shield piece	
Source mounting (size and integrity) and security	29	VI	un changed	
ls source ANSI classification sufficient (from ANSI N43.6-1997 and ISO 2919):				
Radiography - Unprotected 43515 Radiography - In Device 43313 Medical - Radiography 32312 Medical - Pacity Teletherapy 53524 Medical - Brachytherapy 53211 Medical - Source Applicators 43312 Pacific Sugges - Unprotected 43333 Pacific Gauges - In Device 43232 Pacific Gauges, Low Energy Pacific Gauges, or X-ray fluorescence 33222 Oil Well Logging 56522 Portable Moist/Density 43333 Poutron Applications 4323 Calibration source activity > $30\mu$ Ci (1 MBq) 22212 Pacific IIII) 43424 Pacific IIII 43424 Pacific IIIII 43424 Chromatography 32211 Static Eliminators 22222 Smoke Detectors 32222	> EJ	L.P	okzy - from previoust eveluetran also, equipped oil interlocks to shut poor thus, can turn bean	
Definition of shutter operation (locked in "off" position, not locked in "on" position), Fail safe, spacing and tolerances	ZD	20	classical power supply	
On-Off indicators (description, qty., location)	2)	20		
Safety interlocks, guards, and so forth to prevent access to beam or high radiation levels	z J	49	external perimeter fence N/A Steel & HDPE	
Corrosion between unlike materials (e.g., aluminum and steel, depleted uranium & steel, and so forth)	2)	2P	N/A Steel & HDPE	
Shielding efficiency and integrity	20	10		

# CHECKLIST

Registration Certificate Holder: BADS Society

Model: CNA Series

DESCRIPTION	OK/	DEF	COMMENTS
	1 <sup>st</sup> Reviewer	2 <sup>nd</sup> Reviewer	
For medical devices:			
	1,		
Type of FDA approval:			
<ul> <li>Premarket notification (501(k))</li> </ul>			
Premarket approval (PMA)			
<ul> <li>Investigational Device Exemption (IDE)</li> </ul>	<b>'</b>		
Humanitarian Device Exemption (HDE)			1
			$\Lambda I \Lambda$
			17/7
Type of Medical Use:			l
• manual brachytherapy, 35.400		\	
medical diagnosis, 35.500			\
photon-emitting remote afterloader, 35.600			
photon-emitting teletherapy unit, 35.600			
• gamma stereotactic radiosurgery unit, 35.600			
other medical, 35.1000 (intervascular			
brachytherapy, beta-emitting remote afterloaders, etc)			
,			
List of FDA limitations of use provided			\
	,		
Well logging (10 CFR 39.41) and irradiator			
(10 CFR 36.21) sources must be as nondispersible and nonsoluble as practical.	NA		
See "ANSI and Other Standards" list for references for	NA		
particular source/device designs (e.g. radiography,	NA	:	
Brachytherapy, etc.)	1 7 //		

Registration Certificate Holder: EADS Scales

Model: (NA series

DESCRIPTION	ОК	DEF	COMMENTS	
	1 <sup>st</sup> Reviewer	2 <sup>nd</sup> Reviewer		
LABELING				
Complete and final copy of label attached			not changed	
Materials, dimensions, colors (note on registration certificate if labeling is exempt from the color requirements of 10 CFR Part 20)			not changed not changed perimeter feace	
Attachment and location(s) - visible to users?	20	4	permeter feace	
Method of attachment is durable and permanent under normal conditions of use			ast chear	
Contents: Model#, Serial#, Isotope, Activity, Manufacturer, Date of Assay, Trefoil, "CAUTION – RADIOACTIVE MATERIAL" (Depleted Uranium information must be included)			not changed	
Is label in compliance with regulatory requirements?			not changed	
CONDITIONS OF USE				
Estimated working life of the source/device (years, operational cycles)			nst changed	
Actions to be taken when product reaches end of its working life.				
Maximum allowable temperature, vibration, shock, corrosion, etc. (during use, handling, storage, and transport)				
How the device will be used				
Meets dose limits of Part 32 for distribution general licensees or persons exempt from licensing			<b>↓</b>	
PROTOTYPE TESTING/HISTORICAL USE			•	
Tests methods and conditions (for source and device)	50	4	shielding effortive	
Tests results	9	,	no other tests needs	
Years of use (incidents, failures, etc.)				
Similarities to other sources/devices if they are used as basis.				
RADIATION PROFILES			Υ	
Survey instrument used (type, window thickness, sensitivity, calibration dates, etc.)	20	A	viz perimeter restrictions not changed	
Conditions: including environments, scatter (product in beam), and use of guards and shields			not changed	

## CHECKLIST

## Registration Certificate Holder:

### Model:

DESCRIPTION	OK/	DEF	COMMENTS
	1 <sup>st</sup> Reviewer	2 <sup>nd</sup> Reviewer	
RADIATION PROFILES (CONTINUED)			
Distance from source/surface (per ANSI 538-1979, N43.8 - 2001)			not changed
Shutter Open and Closed/Source Shielded			
Verify radiation surveys for γ radiation meet inv² law.			
Verify radiation surveys for non-γ radiation have not been calculated using inv² law.			$\downarrow$
QUALITY ASSURANCE			
Materials, subassemblies, services			not changed
Assembly methods (screws, welding, etc.)			1
Dimensions and tolerances			
Activity, radiation levels, leak tests			
Final inspection			
QA Manual and comparison of other (generally) accepted guidance (e.g., ANSI/ISO/ASQ 9001-2001)			
Additional measures for SSDs if ANSI/ISO/ASQ 9001-2001 is used			<b>1</b>
INSTALLATION			
Fixed, portable, movable, fixed installation but portable source housing	5)	20	Fx-l
Inherent shielding, inaccessibility	2)	LC	
Beam access: size of air gap/opening to beam and use of interlocks, locks, additional shielding or barriers	2)	20	Deriers
Mounting integrity			
ACCOMPANYING DOCUMENTATION			
Leak tests results and radiation surveys	20	LP	,
Operation safety instructions, maintenance, calibration, damage/failure, specific warnings, leak test, and radiation survey instructions if applicable	50	d	
For Distribution to General Licensees:			UA
Verify NRC Regions and Agreement State listing is up-to-date and copies of all pertinent regulations			N// <del>)</del>

## **CHECKLIST Registration Certificate Holder:** Model: **OK/DEF COMMENTS DESCRIPTION** 1<sup>st</sup> Reviewer 2<sup>nd</sup> Reviewer **SERVICING** The following activities may be performed by the persons indicated: Will be Offered Activity by a General Only by a Specific Licensee by the Licensee Applicant Installation Relocation Maintenance Repair Source **O** Exchange Calibration NA Leak Testing Radiation Survey Training **FOREIGN VENDORS** Drop ship Who and where is source installed Leak test and radiation surveys QA in the U.S. Date: 2<sup>nd</sup> Reviewer Signature: