FOOD ESTABLISHMENT PLAN REVIEW APPLICATION

ISD Health Division use only APPLICANT: Please answer each question below with a complete response. The City of Somerville enforces Date received: the 1999 Federal Food Code and MA State Sanitary Code Inspector: 105 CMR 590.000, and food establishment plans are Dates of review reviewed in accordance with these codes. ☐ Additional information requested: If you have questions about this application, food codes ☐ Approved: or plan review requirements, please contact the ISD Health Division for assistance. 1. Choose one from list below. Is this business a: ☐ New establishment (yet to be constructed)? Conversion of an existing structure to be used as a food establishment? ☐ **Remodel** of an existing food establishment? ☐ **Change** of type of food establishment or food operation? ☐ Change of business owner (type of food establishment unchanged)? 2. Projected Start Date of Project: Projected Completion Date of Project: 3. Mark all that apply to your business. Food Establishment Category Type: ☐ Restaurant ☐ Davcare ☐ Retail Market/Convenience Store ☐ Institution (school, hospital, etc) ☐ Catered Feeding Location ☐ Warehouse ☐ Catering Operation ☐ Mobile/Pushcart/Food Truck ☐ Other: _____ **CONTACT INFORMATION** 4. Name of Establishment: 5. Establishment Address: Somerville, MA 6. Establishment Phone Number: 7. Name of Business Owner:_____ 8. Business Owner Mailing Address:

9. Business Owner Phone Number: _____

10. Applicant Name (if other than owner)):
11. Applicant Title (e.g., manager, chef):	
12. Applicant Mailing Address:	
13. Applicant Phone Number:	
14. If applicable, provide name and phone and submitting the required information	number of architect representing the owner/operator on:
Architect Name:	Phone Number:
BUSINESS PLAN INFORMATION	
15. Hours of Operation:	
Sunday:	Thursday:
Monday:	Friday:
Tuesday:	Saturday:
Wednesday:	
16. Maximum Meals to be Served Daily (a	approximate number):
Breakfast: Lunc	ch: Dinner:
17. Type of Food Service (check all that a	pply):
☐ Sit Down Meals ☐ Mobile	☐ Take out ☐ Caterer ☐ Other:
18. Number of Seats available to customer	rs:
19. Number of Floors on which food is pro	epared, served or stored:
20. Total Square Feet of the Facility:	
foodborne disease because they are immunoco	p of persons who are more likely than other populations to experience ompromised or older adults and in a facility that provides health care or turning home; or preschool age children in a facility that provides custodial care

PLAN REVIEW REQUIREMENTS

Please check off and submit the following documents as they apply to your business. <u>Items 1, 5, 6</u> & 7 are mandatory requirements for all applicants. <u>Please read other information in italics carefully to determine if you need to submit additional materials with this application</u>. If you need more information about a requirement, contact the ISD Health Division at (617) 625-6600 x4331.

1.	• Proposed Menu . Food Establishments with menus must provide copies of all menus including breakfast, lunch, dinner, brunch, seasonal, off site, catering, dessert, and beverage, in the format offered to the consumer. Retail Establishments without menus must provide a list of foods sold by category, ex. bottled beverages, grocery items, packaged potentially hazardous foods, deli items.							
2.	A copy of a current (within the a Massachusetts approved prog a full time equivalent on-site m for all applicants except certain per 105 CMR 590.003 (A)(3)(b)	ram for at least of anager or superval and daycare, retail	one individual or isor in the prop	over the age of 18, who will be cosed establishment. <i>Required</i>				
3.	A copy of a current (within the Certificate from a Massachuse of 18, who will be a full time ecestablishment. Required only for consumption on or off the premi	tts approved proquivalent on-site or establishment	gram for at leas manager or suj s selling food in	st one individual over the age pervisor in the proposed				
4.	A copy of a current Choke Safe law requires one certified indiversal certifications may be required). or more, per105 CMR 590.009	idual on duty du Required only j	ring all hours o	f operation (multiple				
5.	Floor plans (minimum of 11 x inch = 1 foot, showing each are Each piece of food equipment it its intended location on the plan	a where food or ntended for use	beverages are s must be represe	stored, prepared, or served. ented, in approximate scale, in				
	*food preparation sinks *mop/wastewater sinks *dressing rooms *customer self-service areas *chemicals and paper storage a		d exits *storage of cle	*hand-washing sinks * loading and receiving areas *employee/customer restrooms ean pots, utensils and serviceware				
	*counter top and floor mounted	equipment	*outdoor trash	n, recyclable and grease storage				
6.	Food Equipment Schedule – A for use in the food establishmer The numbers assigned on the so floor plans. Include beverage diequipment, and registers.	nt that includes a chedule will corr	brief description	on, make and model numbers. bered equipment drawn on the				

7.	Manufacturers specification ("cut sheets") for each piece of equipment shown on the plan. Note: All food handling equipment must be of durable construction, made of food grade materials, and certified for sanitary design by an ANSI accredited certification program, typically National Sanitation Foundation (NSF), or by Underwriters Laboratory (UL).
8.	If requested by ISD Health Division, include overlay drawings for the plumbing details including location, size, and type of wastes (direct or indirect), floor drains, floor sinks, backflow prevention devices, potable and non-potable water lines, waste water lines, hot water generating equipment, hot water boosters, grease containment/capture systems and gas supply lines.
9.	If requested by ISD Health Division, include overlay drawings for the electrical details including location of electrical supply panels, location, and voltage outlets.
10.	If this establishment is/will be serviced by a public or private well, submit a copy of current water quality test results and documentation showing the well was approved by the required state or local department or that an application for approval was submitted.
11.	A copy of a Hazard Analysis Critical Control Point (HACCP) Plan , describing policies, procedures, employee training, documentation, etc. to ensure safe handling of high risk foods or processes as described in the 1999 FDA Food Code and/or 105 CMR 590.000. <i>Required only for establishments planning to use certain processes; please read below to determine applicability</i> .

HACCP and Variance Requirements

Specialized processes present a significant health risk if not conducted under strict operational procedures. HACCP plans and modified HACCP plans are implemented to eliminate or significantly reduce targeted hazards that may contribute to foodborne illness.

PROCESSES REQUIRING A HAACP PLAN/ BOARD OF HEALTH VARIANCE

- Using food additives or adding components such as vinegar as a method of food preservation or to render a food so that it is not potentially hazardous (e.g., acidified sushi rice)
- Use of un-pasteurized shell eggs in Highly Susceptible Population operations to prepare food in quantities other than single serving portions. (e.g., fresh eggs to prepare scrambled eggs for a daycare facility)
- Packing food using Reduced Oxygen Packaging (ROP) *except* where a barrier to *Clostridium botulinum* in addition to refrigeration exists (e.g., cryovac, cook chill, sous-vide)
- Custom processing animals in a food establishment that are for personal use as food, and not for sale or service in a food establishment. (e.g., deer hunters)
- Custom processing of aquatic animals for sale (e.g., frogs)
- Molluscan shellfish tanks used to store and display shellfish that are offered for human consumption (e.g., abalone). Note: this does not apply to lobsters.
- Smoking or Curing food as a method of food preservation rather than flavor enhancement.

PROCESSES REQUIRING A MODIFIED HACCP PLAN AND BOARD OF HEALTH VARIANCE

 Using time only, rather than time in conjunction with temperature, as a public health control for a working supply of potentially hazardous food before cooking, or for ready to eat potentially hazardous food before cooking, or ready to eat potentially hazardous food that is displayed or held for service for immediate consumption. (e.g., pizza other than cheese, calzones, hollandaise sauce)

FOOD HANDLING PROCEDURES

Please answer the following questions to help determine your food business needs.

Note: Each food service operation will have different considerations: i.e., Will foods need to be thawed prior to cooking? Will foods be cooked and immediately served, or will they be prepared in advance requiring cooling? Will food require reheating, hot holding, or cold holding prior to service?

How frequently supplies will be delivered is an important factor in determining the amount of refrigerated, frozen, and dry food storage space required. High volume operations with extended hours of operation or those that prepare foods 'from scratch' may require increased equipment capacity and storage space.

FOOD SUPPLIES

Note: All food supplies must come from state or federally inspected, approved, and licensed food processors, manufacturers, and/or distributors.

22. What a	are the projected freque	cies of deliveries for:
Fro	ozen foods:	
Re	frigerated foods:	
Dr	y goods:	
23. Provid	e information on the To	TAL amount of space (in cubic feet) allocated for:
Fro	ozen foods:	ft ³
Re		ft^3
Dr	y goods:	ft^3
		e protected from contamination, moisture, and pests:
below and a Potentially 25. If raw	quate and approved freezo refrigerated foods at 41°F Hazardous Food (PHF) r meats, poultry, and sea	r and refrigeration must be available to store frozen foods at 0°F or or below. Each storage or display refrigerator and freezer holding ust be equipped with a working and accurate thermometer. Tood are stored in the same refrigerators with cooked/ready-to-amination be prevented?

THAWING FROZEN POTENTIALLY HAZARDOUS FOOD (PHF)

26. Please indicate how you plan to thaw the (PHF) items on your proposed menu by checking the "YES" or "NO" box. More than one method may apply for each type of frozen food.

THAWING METHOD		BULK FROZEN ODS	PORTIONED FROZEN FOODS			
Under Refrigeration	YES	□ NO	YES	□ NO		
Running Water, Less than 70°F (allowed only in food prep sink or 3-bay compartment)	YES	□ NO	YES	□ NO		
Microwave (as part of cooking process)	YES	□ NO	YES	□ NO		
Cooked from frozen state	☐ YES	□ NO	YES	□ NO		
Other (describe):	YES	□ NO	YES	□ NO		
FOOD PREPARATION 27. Check categories of Potentially Hazardous Foods (PHFs) to be handled, prepared and served.						
CATEGORY A. Thin meats, pould (e.g., hamburger;	•	llets)	TYES	□NO		
B. Thick meats, who (e.g., roast beef;	- •	nickens, hams)	\(\sum \text{YES}	□NO		
C. Cold processed for (e.g., salads, sand		bles)	TYES	□NO		
D. Hot processed for (e.g., soups, stew		gravy, chowders,	YES casseroles)	□NO		
E. Bakery goods (e.g., pies, custare		ss & toppings)	\(\subseteq \text{YES}	□NO		
		:		□ NO		
G. Other PHFs:						
28. Please list all food items that	will be prepare	ed more than 12 ho	ours in advance	of service:		

29. Describe the procedures used for minimizing the length of time PHFs will be kept in the temperature danger zone (41°F - 140°F) during preparation:								
30. Where raw meats, poultry, and seafood are preparame equipment as cooked/ready-to-eat foods, h		•	!?					
31. <i>Please check yes or no</i> : a. Will ice be made or b. Will ice be purchas								
32. Describe provision for ice scoop storage:								
COOKING Note: Minimum FDA Food Code cooking time and temp conduction heating equipment are as follows:	peratures of p	roduct utilizing convection and						
Beef roasts	130°F	(121min) or 145°F (15sec)	١					
Solid seafood pieces	145°F	15 sec	,					
Other PHFs	145°F	15 sec						
 Eggs or items made with eggs 	145°F	15 sec						
 Pork/lamb/veal, roasts, steaks, chops 	145°F	15 sec						
 Chopped, ground meat/fish, eggs held for service 	155°F	15 sec						
All poultry items	165°F	15 sec						
 Stuffed meat or pasta stuffing 	165°F	15 sec						
 Any microwaved PHFs 	165°F	15 sec						
33. Food product thermometers must be used to mea What type of temperature measuring device are		0 1	5.					

IS YOUR MENU IN COMPLIANCE?

Consumer Advisory Requirements

Please refer to your submitted menu and list items that will/may be served raw or undercooked such as burgers, eggs over easy, grilled salmon and similar foods. Remember to include Ready-To-Eat foods that may contain raw or undercooked ingredients such as caesar dressing, hollandaise sauce, burgers, eggs, or drinks/desserts containing raw egg white.

Please note that these foods must be properly identified on your menu as raw or undercooked or as containing raw or undercooked ingredients, and the approved **Consumer Advisory** statement must be plainly printed on your menu(s) and/or menu board warning customers of the increased risk of illness with eating raw or undercooked animal foods.

Please remember the Consumer advisory is to be provided to the customer in writing.

The following example shows all three required parts for the consumer advisory:

(1) identify menu items containing raw or undercooked animal proteins with asterisk(*):

Cheese Pizza
*Tuna Roll
California Roll
*Grilled salmon

Salad with your choice of grilled chicken or *steak tips

(2) define what the asterisk means

*These menu items are served raw or undercooked, or contain raw or undercooked ingredients

(3) approved statement reminding consumers of the risks associated with raw or undercooked animal foods, e.g.:

*Consuming raw or undercooked meats, poultry, seafood, shellfish, and eggs may increase your risk of foodborne illness, especially if you have certain medical conditions. Contact your Public Health Official or Physician for additional information.

HOT/COLD HOLDING

34. How will hot PHFs be maintained at 140°F or above when on display or during holding for service? Indicate type and number of hot holding units.	
35. How will cold PHFs be maintained at 41°F or below when on display or during holding for service? Indicate type and number of cold holding units.	

COOLING

36. Please indicate by checking the appropriate boxes how PHFs will be cooled.

One Stage Cooling (tuna salad and similar items): Cool from 70°F to 41°F within 4 hours. Two Stage Cooling (hot foods): Cool from 140°F to 70°F within 2 hours than from 70°F to 41°F within 4 hours.

Note: Improper cooling of foods is indicated as the NUMBER ONE CAUSE of Foodborne Illnesses.

COOLING METHOD	THICK MEATS More than 1" thick	THIN MEATS Less than or equal to 1"	THIN SOUPS/ GRAVIES	THICK SOUPS/ GRAVIES/ CIHLIES	RICE/ NOODLES/ CASSEROLES/ LEFTOVERS				
Shallow Pans									
Ice Baths									
Reduce Volume or Size									
Blast Chill									
Other Methods (describe)									
	used for reheating foods.								
SERVING 38. If there are any customer self service areas/stations, please describe how foods and utensils will be protected from contamination by the customer.									
EMPLOYEE CONSIDERATIONS									
39. Number of Staff (maximum per shift):									

40. Will disposable gloves and/or utensils and/or food grade paper be used to prevent handling of Ready-To-Eat foods? YES NO
41. Will food employees be trained in food sanitation practices? YES If yes, please describe method of training:
42. Food employees and applicants who have received a conditional offer of employment are required to notify management when they are experiencing symptoms of or are diagnosed with an illness that can be spread through food. Employers must determine what actions are to be taken in accordance with 590.003 (D) and FC 2-201.12 <i>Exclusions and Restrictions</i> . Is there a written policy to exclude or restrict food workers who are sick or have infected cuts and lesions? YES NO Please describe briefly or submit policy:
43. Are dressing rooms provided? ☐YES ☐ NO
44. Describe storage facilities for employees' personal belongings (e.g.,. purse, coats, boots,
umbrellas):
HANDWASHING/TOILET FACILITIES Note: Handwashing sinks must be dedicated to that use only, and designated with signage, (ex. "Handwashing Only")
45. Are handwashing sinks in each food preparation and warewashing area? YES NO
46. Do all handwashing sinks, including those in the restrooms, have hot and cold water under pressure with a mixing valve or combination faucet? YES NO
47. Do self-closing metering faucets provide a flow of water for at least 15 seconds without the need to reactivate the faucet? YES NO
48. Is hand soap available at all handwashing sinks?
49. Are disposable paper towels or air blowers available at all handwashing sinks? ☐YES ☐ NO
50. Are covered waste receptacles available in each restroom? YES NO

51. Is an employee handwashing r	eminder sign p	osted in each re	estroom? \(\subseteq \text{YES}	S \Boxed NO
52. Are all toilet room doors self-c	closing?	□YES	□NO	
53. Are all toilet rooms equipped v	with ventilation	n to the outside	?	□NO
SINKS 54. Is a mop sink present?	□YES	□NO		
55. Please describe where you wo	uld hang wet m	nops and other	like equipment:	
56. If the menu dictates, is a food	preparation sin	ık present?	□ YES □	NO
WAREWASHING FACILITIES 57. Will sinks or a dishwasher be		ng dishes, utens	sils, etc.?	
☐ Dishwasher ☐ Three	ee-compartmen	nt sink	Combination	of both
If Dishwasher: Please indicates a contract of the contract of	e" (hot water w	rith booster hear	ter for final rinse)	
58. Do all dish machines have tem working? YES	perature/press	ure gauges as re	equired that are ac	ecurately
59. Is ventilation for dish machine	provided?	□YES	\square NO	
60. Where three compartment sink or pan used fit into each compartment Are there drain boards on both	artment of the	pot sink?	utensils, etc., doe YES YES	s the largest pot NO NO
61. What type of sanitizer is used: Chlorine Iodine Quaternary ammon Hot Water (must be	ium			
62. Are test papers/kits available f	or checking sa	nitizer concenti	ration? YES	□NO
63. Where will the clean and sanit	ized items be s	stored?		

64.	Please	descr	ibe the	proce	dure for	manual	cleaning	and sar	nitizing	of overs	sized or	"clean-in-
	place"	(CIP)	equip	ment, s	slicers, 1	nixers, e	etc. and a	ny CIP	dispensi	ng equi	ipment?	•

EQUIPMENT INSTALLATION

Note: Food service equipment must be located and installed in such a way as to facilitate ease of routine cleaning. Food preparation/work tables and sinks should be installed with back splashes and/or sealed to the wall, set-off the wall with adequate space between for cleaning, or movable. Heavy cooking equipment must either be installed leaving space for easy access for cleaning under and behind and between pieces of be mounted on casters and with "Quick-Disconnects" to utility lines to allow for movement.

FINISH SCHEDULE:

65. Please fill out the table below. Applicant must indicate which materials will be used in the following areas (e.g., sealed cement, quarry tile, 4" plastic coved molding, stainless steel, dry wall, Fiberglass Reinforced Polyester (FRP) vinyl faced panels).

Note: Materials selected for floors, walls, and ceilings must be durable and appropriate to the area and its intended use. For high moisture work areas or where there may be food splash, the surfaces must be non-absorbent, smooth, and easily cleanable. Installed materials must be tight fitting and properly sealed with no voids that might collect debris and/or harbor pests.

	Floors	Walls	Ceilings	Floor/Wall Joint
Kitchen				
Bar				
Food Storage				
Other Storage				
Toilet Rooms				
Garbage & Refuse Storage				
Mop Service Basin Area				
Warewashing Area				
Walk-in Refrigerators				
and Freezers				

INSECT AND RODENT CONTROL: Please check yes, no, or not applicable (NA) for the following questions: 66. Will all outside doors be self-closing and rodent proof? □YES □NO □NA 67. Are screen doors provided on all entrances left open to the outside? $\square YES \square NO \square NA$ □YES□NO □NA 68. Do all openable windows have minimum #16 mesh screening? 69. Is the placement of electrocution devices identified on the plan? \square YES \square NO \square NA 70. Will all pipes and electrical conduit chases be sealed; ventilation systems exhaust and intakes protected? □YES□NO □NA 71. Is area around building clear of unnecessary brush, litter, boxes, and other harborage? \square YES \square NO \square NA □YES□NO □NA 72. Will air curtains be used? If yes, where? ____ 73. Do you now have, or plan to have a contract with a pest control operator? \(\subseteq YES \subseteq NO \) If yes, please list their contact information: and the frequency of inspections/treatments at your business: GARBAGE (food waste) AND REFUSE (paper, cardboard, packaging, etc.) Note: Dumpsters require licensing. Please check with the ISD Health Division on dumpster licensing requirements for your business. **INSIDE:** YES NO 74. Do all receptacles have lids?

75. Will refuse be stored inside?	YES	□NO			
If yes, where?					
76. Is there an area designated for reco	eptacle or floor r	nat cleaning?	□YES	□NO	
If yes, where?					
77. Is there a designated area to store	returnable damaş	ged goods or ou	it of code item	s? YES	NO

Please describe location(s):

OUTSIDE:					
	mpster be used?	\square YES	\square NO		
If yes:	Number:	Size:	Frequency of pi	ckup:	
	Contractor:				
79. Will a con		YES	□NO		
	Number:	Size:	Frequency of pi	ckup:	
	Contractor:				
80. Will garbage receptacles be stored outside?					
81. Describe s	surface and location	where dumpster/o	compactor/garbag	ge cans are to t	oe stored:
82. Describe l	ocation of grease sto	rage receptacle.			
83. Is there an	area to store recycli	ng containers?	YES	□NO	□NA
If yes, des	cribe:				

PLUMBING CONNECTIONS:

84. Please fill out the table below.

Note: The FDA Food Code plumbing requirements do not replace or supercede the State Plumbing Code, instead it highlights potential hazardous circumstances and particular types of equipment common to food service operations that, through improper design or installation, could result in contamination of either sanitary food vessels or of the potable water supply. See reference materials provided in Part Two of this guide. Please indicate below that the proposed equipment in your establishment will be properly permitted and installed.

Equipment	Code Requirement(s)	Confirmed by Operator (please initial)	Describe / Comments
Dish Machine	Backflow prevention device		
	Indirect waste of direct		
	waste through floor drain		
Potato Peeler	Backflow prevention device		
Steam Jacketed	Backflow prevention device		
Kettle	Indirect Waste		
Steamer	Backflow prevention device		
	Indirect Waste		
Combi Oven	Backflow prevention device		
	Indirect Waste		
Submerged water	Backflow prevention device		
inlets in garbage			
Disposals, or Dish			
Table troughs			
At all hose	Backflow prevention device		
connections			
Garbage Can	Backflow prevention device		
Washer			
Carbonated	Carbonator backflow		
Beverage	prevention device		
Dispenser			
Refrigerator	Indirect Waste		
condensate / drain			
lines			
Ice Machine or	Indirect Waste		
Ice Storage Bins			
All Sinks	Air Gap		
Ice Cream	Air Gap		
Dipper Wells	•		
Other (describe):			

WATER SUPPLY:

Note: It is essential that sufficient potable water, at appropriate temperatures, under pressure will be available at all times, including peak demand periods.

85. What is the capacity and recovery rate of the hot water generator?

86. Is the hot water generator sufficient for the needs of the establishment? **Provide/Attach** calculations for necessary hot water. Contact the ISD Health Division if you need additional assistance with this requirement.

87. Is there a water treatment device or a "Mistin	g System" for produce? YES NO NA				
If yes, how will the device be inspected and serviced?					
88. Is the establishment to be serviced by:	town water? private or public well?				
SEWAGE DISPOSAL: 89. Is the establishment to be serviced by:	municipal sewer? on-site septic system?				
90. If on-site septic system, is it approved for proposed use? (Please attach copy of written approval and/or permit.)					
GREASE TRAPS: 91. Are interior grease traps provided? If so, please describe location and capacity of	□YES □NO Feach:				
92. Provide schedule for cleaning and maintenance	ce:				
93. Are exterior grease traps provided? If yes, please provide service contractor name/ad	YES NO dress/phone number and a copy of the contract:				
VENTILATION: 94. Indicate below all areas where exhaust hoods Note: Ventilation systems must be correctly designed, size and to meet the specific needs of the operation and equip	d, and installed to both satisfy the Fire Code requirements				

humidity, odors, smoke, and grease laden air.

LOCATION	FILTERS	SQUARE	FIRE	AIR	AIR
	AND/OR	FEET	PROTECTION	CAPACITY	MAKEUP
	EXTRACTION				CFM
	DEVICES				

93. П	ow is each listed ventilation hood system cleaned? Please indicate frequency of cleaning.
sa th	INS: Il toxic chemicals for use on the premise or for retail sale (ex. pesticides, cleaners, unitizers, solvents, personal medications, etc.) must be stored and/or displayed in a manner at eliminates the possibility of contamination of food items or single service disposables ex. paper plates, cups, plasticware, etc.) Please describe how you will do this:
	re all containers of toxins, including sanitizing spray bottles, clearly labeled? Yes No Where will Material Safety Data Sheets (MSDSs) be displayed?
99. W	NDRY: Vill linens, towels, uniforms, etc. be laundered on site? YES NO , what will be laundered and where?
100. 101.	Is a laundry dryer available? If yes, will the dryer be vented to the outside? Location of clean linen storage:
102.	Location of dirty linen storage:

STATEMENT:

I hereby certify that the above information is correct, and I further understand that any
deviation from the above without prior permission from the ISD Health Division may
nullify final approval.

Signature(s) of owner(s) or responsible representative(s)	
Print name(s) of owner(s) or responsible representative(s)	
Date:	

Approval of these plans and specifications by the ISD Health Division <u>does not</u> constitute endorsement of acceptance of the completed establishment (structure or equipment). A pre-opening inspection of the establishment with equipment in place and operational will be necessary to determine if the establishment complies with the local and state laws governing food establishments.

Approval of these plans and specifications by the ISD Health Division <u>does not</u> indicate compliance with any other federal, state, or local code, law or regulation that may be required.