PROFESSIONAL STANDARD 2 (PS2)

OF

THE ACTUARIAL SOCIETY

OF HONG KONG

香港精算學會

PROFESSIONAL STANDARD 2 (PS2)

Occupational Retirement Schemes - Actuarial Reports and Certification

APPLICATION

- Any Actuary responsible for preparing an actuarial certificate when an occupational retirement scheme is registered under the Occupational Retirement Schemes Ordinance (Cap. 426, Laws of Hong Kong) (the "Ordinance"), or at intervals thereafter when an actuarial certificate is to be prepared.
- The actuarial certificate is issued following an actuarial review (or "valuation") on the scheme's financial status.
- The guidance in this Professional Standard (the "Standard") focuses on the preparation of the actuarial report and the actuarial certificate following an actuarial review.

LEGISLATION OR AUTHORITY

This Standard applies to the preparation of actuarial certificates as required under sections 15(e), 31(2) and 32(2)(b) of the Ordinance, as stipulated in section 2 of the Occupational Retirement Schemes (Preparation of Actuarial Certificates) Rules (Cap. 426 sub leg. H) and in accordance with section 2 of the Occupational Retirement Scheme (Periodic Certification of Registered Defined Benefit Schemes) Rules (Cap. 426 sub leg. I)

AUTHOR

Actuarial Society of Hong Kong

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2.0 23 December 2015

1. INTRODUCTION

- 1.1 When an occupational retirement scheme, which falls within the definition of a Defined Benefit Scheme under the Ordinance, is to be registered under the Ordinance, and at periodic certification thereafter, an actuarial certificate should be prepared.
- 1.2 Whilst this Standard is intended to give guidance on the preparation of the actuarial certificate, attention is drawn to the contents of the actuarial report which provides the basis for the content of the actuarial certificate.
- 1.3 This Standard has been prepared with consideration of specific requirements of retirement schemes in Hong Kong and the environment under which they operate.

2. PURPOSE OF THE STANDARD

- 2.1 The purpose of this Standard is to ensure that the actuarial reports and actuarial certificates contain sufficient information regarding the valuation, to enable the financial status and corresponding recommended contributions to the scheme to be understood. It is not intended to restrict the Actuary's freedom of judgement in choosing the method of valuation and the underlying assumptions.
- 2.2 Although any report or certificate will be addressed to the Actuary's client, normally the relevant employer and/or the scheme's trustees, the Actuary needs to bear in mind that the report or certificate may be made available to third parties. Any limitations on the extent to which third parties can rely on the information presented should be set out in the report.
- 2.3 It should be noted that section 73 of the Ordinance enables the Registrar of Occupational Retirement Schemes to issue rules. These rules may impose other demands upon the Actuary when preparing an actuarial certificate which are not covered in this standard. As of the date this Standard is issued, the Registrar has issued two rules:
 - (i) Occupational Retirement Schemes (Preparation of Actuarial Certificates) Rules (Cap. 426 sub leg. H); and
 - (ii) Occupational Retirement Schemes (Periodic Certification of Registered Defined Benefit Schemes) Rules (Cap. 426 sub leg. I)

3. THE REPORT

3.1 The items in 3.1.1 to 3.1.26 are regarded as essential components of the actuarial report. Suitable explanations of other features may be very important and therefore additional information may often be desirable. For example, the report may describe how the financial condition of the scheme may be affected by a pending benefit improvement exercise.

Basic Information

3.1.1. The report should be clear to whom it is addressed, the purposes for which the valuation is conducted, and the dates as at which the current valuation and, if applicable, the immediately preceding valuation were conducted.

It would generally be expected that one of the purposes is to form a basis with which an actuarial certificate can be prepared. References to any previous valuations should be at least be to the one based on which the existing actuarial certificate in force was prepared.

- 3.1.2. The report should contain a statement confirming that it has been prepared in accordance with the Standard current as at the date at which the report is signed. Under exceptional circumstances where the Actuary is convinced that full compliance with the Standard is not appropriate, the non-compliant issues and justification of such non-compliances shall be stated clearly in the report.
- 3.1.3. The report should include a summary of the terms of the scheme which have been valued.

Reference should be made to the extent to which allowance has been made for discretionary increases in benefits especially where there has been a recent practice of granting such increases.

- 3.1.4. The report should contain a summary of financial and membership data on which the valuation is based, including a description of the assets, the date as of which the data was complied, the sources of the data, and any assumptions made with respect to unavailable information.
- 3.1.5. Whilst it is noted that the Actuary is not expected to perform a full audit on the financial and membership data, the Actuary should consider the reasonableness and validity of the data, and comment in the report whether the data used to conduct the valuation is sufficient and reliable for the purpose of the valuation.

Inter-valuation Period

- 3.1.6. The report should provide information on the contributions paid during the intervaluation period, and confirm that the contributions paid are consistent with the actuarial certificate relevant to the inter-valuation period. The report should also include a commentary on any material developments during the inter-valuation period.
- 3.1.7. The Actuary should describe any significant variations in experience during the inter-valuation period from the assumptions made at the previous valuation including identification of the material sources of experience gains and losses since the previous valuation, to the extent which is reasonable for the purpose of the valuation and the size of the scheme.

Funding Objectives and Funding Method

- 3.1.8. The report should state the funding objectives adopted by the scheme, and the funding method employed to achieve those objectives. Explanation should be given for any significant changes to the funding objectives and / or the funding method employed from one valuation to another.
- 3.1.9. The Actuary should comment on the adequacy and the mutual compatibility of the funding objectives and the funding method employed, in conjunction with the actuarial assumptions made, in the context of the security of scheme benefits, stability of employer contributions, and how these could impact the future financial health of the scheme.
- 3.1.10. If the valuation reveals an Aggregate Vested Liability which is higher than the value of the scheme's asset, the report shall comment on how this shortfall will be made good, expected in the following 3-year period, through additional employer contributions.

If the valuation reveals an Aggregate Past Service Liability which is higher than the value of the scheme's asset, the report shall comment on how this shortfall will be made good through additional employer contributions. In accordance with the Ordinance, this shortfall shall be amortised over a period agreed between the employer and the trustees of the scheme. The Actuary shall in practice make a recommendation on the amortisation period, taking into account the scheme's membership profile, including but not limited to the expected future working lifetime. The Actuary should also comment on the appropriateness of the amortisation period, and to confirm that the amortisation period is consistent with the funding objective of the scheme.

Actuarial Assumptions

- 3.1.11. The report should include a summary on the financial and demographic assumptions which have material impact on the valuation of the scheme's liabilities and assets. A brief description of the rationale underlying these assumptions should also be given.
- 3.1.12. The report should draw attention to those assumptions to which the funded status of the scheme and the recommended employer contribution are particularly sensitive, by commenting how changes in these assumptions would impact the valuation results. This would typically include the long-term rate of future salary increases and the long-term discount rate adopted in the calculation of the Aggregate Past Service Liability.
- 3.1.13. The Actuary should highlight any changes in the valuation assumptions since the previous valuation. For changes that will materially affect the financial position of the scheme, the Actuary should also indicate the impact of such changes.

- 3.1.14. The assumptions selected should reflect the Actuary's judgement on the likelihood of future events, taking into account past experience and expected future trends consistent with the expected duration of the scheme's liabilities without undue weight to recent past experience. The Actuary should give independent consideration to the reasonableness of each assumption and ensure that the assumptions are, as a whole, consistent, mutually compatible and reasonable.
- 3.1.15. If any short-term assumptions which are different from the long-term assumptions adopted for the valuation, in the opinion of the Actuary, should be used for the purpose of assessing the scheme's asset sufficiency in the future to cover its Aggregate Vested Liability through the next three years, attention should be drawn to those short-term assumptions. A full explanation and justification of the short term assumptions should be given.
- 3.1.16. The Actuary should comment in the report whether the assumptions adopted for the valuation are adequate and appropriate, and the methods employed in the valuation are consistent with sound actuarial principles for the purposes of the valuation.
- 3.1.17. The report should include a comment confirming that the methods and assumptions adopted in valuing the assets and valuing the liabilities are consistent with each other.

Post-valuation events

- 3.1.18. In practice, there will be a time lag between the effective date of the valuation and the date on which the report is signed. If the Actuary is aware of any significant events during this period that may materially and adversely impact the financial status of the scheme, these events should be highlighted in the report together with any limitation on the advice explained.
- 3.1.19. Such events may include, but are not limited to, a significant fall in the scheme asset value, an anticipated membership restructuring (e.g. redundancy program), or a significant change in the investment strategy.
- 3.1.20. If it is in the Actuary's opinion that such events will have a material and adverse impact to the financial status of the scheme, the Actuary may make allowances for such events in the funding and contribution recommendation. These allowances should be explained in the report.
- 3.1.21. If the Actuary is not aware of any such significant events, a statement to this effect should be included in the report.

Assets and Liabilities

- 3.1.22. The report should state clearly whether the assets are sufficient to cover the Aggregate Vested Liability and the Aggregate Past Service Liability as at the valuation date. Any surplus or shortfall in the assets should be disclosed.
- 3.1.23. The Actuary should state that, if all assumptions are borne out in practice including the expected investment return according to the current investment policy, whether the scheme's assets would be sufficient to meet the scheme's Aggregate Vested Liability in the three years following the valuation date, assuming that employer contributions are paid at a level as recommended by the Actuary.

The Actuary should also highlight any major risks that the scheme's Aggregate Vested Liability would not be covered at the end of the three year period following the valuation date. For example, the Actuary may state the minimum investment returns need to be achieved by the scheme assets throughout the three-year period for the scheme to be solvent at the end of that period.

- 3.1.24. The Actuary should highlight any specific investment-related risks that are relevant for the funding of the scheme, including but not limited to liquidity risk or significant mismatch between the allocation of scheme assets and the liability profile of the scheme.
- 3.1.25. The Actuary should comment on the appropriateness or otherwise of insurance contracts held by the scheme for the purpose of meeting any of the liabilities of the scheme. The Actuary should also, where appropriate, make recommendation on insurance cover for certain liabilities, and the level of cover, if adequate cover is not in place.

Contribution Rate

- 3.1.26. The Report should state clearly the contribution rate (or rates, if appropriate) and any lump sum contributions, and the timing of such contributions, recommended for the scheme to meet its funding objectives.
- 3.2. The report should contain information which will be sufficient to permit another Actuary to make an objective appraisal of the valuation.

4. THE CERTIFICATE

- 4.1. A certificate prepared pursuant to the Ordinance should include the prescribed contents as per Schedules 1 and 2 of the Ordinance. The certificate should also comply with the subsidiary legislation H and subsidiary legislation I of the Ordinance.
- 4.2. Pro-forma actuarial certificates and the attachment to the certificate have been prepared and included as part of this Standard. These pro-forma certificates and attachment to the certificate are expected to be consistent with the requirements set out in 4.1 above. While preparing an actuarial certificate, it is generally expected that an Actuary may adopt these pro-forma certificates directly. However, the Actuary should make amendments as appropriate to reflect the true position of the scheme as long as the certificate remains satisfying the requirement set out in 4.1 above.
- 4.3. The certificate shall include a summary of the financial status of the scheme in an attachment. Such a summary may include the market value of the assets (or the net realisable value when the market value cannot be ascertained), value of the Aggregate Vested Liability and value of the Aggregate Past Service Liability.
- 4.4. If the Actuary is aware of any significant events during the period between the date of valuation and the date on which the report is signed that may materially and adversely impact the financial status of the scheme, these events should be highlighted in the attachment to the certificate together with any limitation on the recommendation explained. If the Actuary is not aware of any such events, a statement should be made in the attachment to the actuarial certificate stating that this is the case.
- 4.5. In accordance with the Occupational Retirement Schemes (Periodic Certification of Registered Defined Benefit Schemes) Rules (Cap. 426 sub leg I), the following additional information should be stated in the attachment to the certificate:
 - 4.5.1. The period upon which a new member's accrued benefits will become fully vested.
 - 4.5.2. If the Aggregate Vested Liability is greater than the Aggregate Past Service Liability, the difference in amount and an explanation should be provided.
 - 4.5.3. The past service liability weighted average period to full vesting for all existing scheme members should be provided if the value of scheme assets is lower than the Aggregate Past Service Liability.

FULL ACTUARIAL CERTIFICATE

Prepared pursuant to paragraph 1(a) of Part 3 of Schedule 1 in the Occupational Retirement Schemes Ordinance

Date of Date of Date of Represe	Actuar Actuar last Actuar	osed Scheme : cial Certificate : cial Valuation : cial Valuation (if any) : cial Population (if shows a cial Valuation (if shows		
I hereby	certif	y that -		
(i)	Valua	ave conducted an initial actuarial valuation as regards the proposed scheme as of the Date of Actuarial luation. The basis of the valuation, assumptions used, results and commentary on those results are detailed in eport dated [].		
(ii)	schen	e made recommendations to the Relevant Employer{s} of the scheme on the financial implications of the ne and that, in my opinion, the level of contributions required for [a specified period] to cover liabilities, ding contingent and prospective liabilities, under the scheme when implemented would be as follows:-		
	(A)	regular contributions by \(\frac{\text{monthly}}{\text{s/\text{of salaries}}} \) - Members : \(\frac{\text{s/\text{of salaries}}}{\text{s of salaries}} \) - Relevant Employer\(\frac{\text{s}}{\text{s}} \) : \(\frac{\text{s/\text{of salaries}}}{\text{slaries}} \) [to]		
	(B)	a special contribution by the Relevant Employer{s} of $\{\$/\% \text{ of salaries}\}\$ on or before [a specified date].}		
(iii)	of the	wing the valuation I have received a copy of a written undertaking from{all of} the Relevant Employer{s} e scheme to the proposed administrator of the scheme, confirming that [they / it] will contribute to the ne in accordance with the above recommendations.		
(iv)	(A)	Provided the scheme is funded in accordance with the above recommendations, and that all assumptions made for the Actuarial Valuation are borne out in practice, I expect the scheme's assets would be sufficient to meet the scheme's Aggregate Vested Liability on the establishment of the scheme and remain sufficient to meet such liability throughout the period of 3 years from the Date of Actuarial Certificate; and		
	{(B)	As at the Date of Actuarial Valuation the scheme's assets were sufficient to meet the scheme's Aggregate Past Service Liability.}		
	{(B)	Provided the scheme is funded in accordance with the above recommendations, and that all assumptions made for the Actuarial Valuation are borne out in practice, I expect that on the expiration of [a specified period], the scheme's assets would be sufficient to meet the scheme's Aggregate Past Service Liability.		
Signatur	re			
Name Address	:	Qualification : Tel : Fax :		

ASHK/PS2/CERT.1 3/9/94

QUALIFIED ACTUARIAL CERTIFICATE

Prepared pursuant to paragraph 1(b) of Part 3 of Schedule 1 in the Occupational Retirement Schemes Ordinance

Name of Proposed Scheme	
Date of Actuarial Certificate	:
	•
Date of Actuarial Valuation	:
Date of last Actuarial Valuation (if any)	:
Representative Employer	:
Relevant Employer{s}	:
1 7 ()	

I hereby certify that -

- (i) I have conducted an initial actuarial valuation as regards the proposed scheme as of the Date of Actuarial Valuation. The basis of the valuation, assumptions used, results and commentary on those results are detailed in a report dated [].
- (ii) I have made recommendations to the Relevant Employer{s} of the scheme on the financial implications of the scheme and that, in my opinion, the level of contributions required for [a specified period] to cover liabilities, including contingent and prospective liabilities, under the scheme when implemented would be as follows:-

(A)	regular contributions by		{monthly}	{For the Periods}	
	- Members	:	{\$/% of salaries}	[to]	
	 Relevant Employer(s) 	:	{\$/% of salaries}	[to]	

- (B) a special contribution by the Relevant Employer {s} of {\$\% of salaries} on or before [a specified date].}
- (iii) Following the valuation I have received a copy of a written undertaking from{all of} the Relevant Employer{s} of the scheme to the proposed administrator of the scheme, confirming that [they / it]will contribute to the scheme in accordance with those recommendations.
- (iv) I do not expect that on the establishment of the scheme the scheme's assets would be sufficient to meet its Aggregate Vested Liability. However, provided that the scheme is funded in accordance with the above recommendations, and that all assumptions made for the Actuarial Valuation are borne out in practice, I expect that:
 - (A) within [a specified period], the scheme's assets would be sufficient to meet the scheme's aggregate vested liability;
 - (B) the amount of the shortfall between the scheme's assets and the scheme's Aggregate Vested Liability as at the Date of the Actuarial Valuation (as covered by the first actuarial certificate to be supplied under section 31(1) of the Ordinance) would be [\$]; and
 - (C) on the expiration of [a specified period], the scheme's assets would be sufficient to meet the scheme's Aggregate Past Service Liability.

Signature

Name : Qualification : Tel : Fax :

ASHK/PS2/CERT.2 3/9/94

FULL ACTUARIAL CERTIFICATE

Prepared pursuant to paragraph 2(a) of Part 3 of Schedule 1 in the Occupational Retirement Schemes Ordinance

Name of Scheme

Date of Actuarial Certificate

Date of	last Acentative	ial Review : tuarial Review (if any) : Employer : oyer{s} :
I hereby	y certify	that -
(i)	An ac	tuarial review has been conducted as regards the scheme as of the Date of Actuarial Review.
(ii)	In the	course of the review I have had regard to the financial condition of the scheme.
(iii)		eview included a valuation of the scheme's liabilities (including contingent and prospective liabilities). The of the valuation, assumptions used, results and commentary on those results are detailed in a report dated].
(iv)	As at Liabil	the Date of Actuarial Review the scheme's assets were sufficient to meet the scheme's Aggregate Vested ity.
(v)	Follow follow	ving the review I have made recommendations on the funding of the scheme for [a specified period] as as-
	(a)	regular contributions by - Members : {\$/% of salaries} [to] - Relevant Employer{s} : {\$/% of salaries} [to]
	{(b)	a special contribution by the Relevant Employer{s} of {\$/\% of salaries} on or before [a specified date].}
(vi)	the sc	ving the review I have received a copy of a written undertaking from{all of} the Relevant Employer{s} of heme to the administrator of the scheme, confirming that [they / it]will contribute to the scheme in lance with the above recommendations.
(vii)	(A)	Provided the scheme is funded in accordance with the above recommendations, and that all assumptions

made for the Actuarial Review are borne out in practice, I expect the scheme's assets would continue to be sufficient to meet the scheme's Aggregate Vested Liability throughout the period of 3 years from the

As at the Date of Actuarial Review the scheme's assets were sufficient to meet the scheme's Aggregate

Provided the scheme is funded in accordance with the above recommendations, and that all assumptions made for the Actuarial Review are borne out in practice, I expect that on the expiration of [a specified period], the scheme's assets would be sufficient to meet the scheme's Aggregate Past Service Liability.

Qualification:

Address : Tel : Fax :

Date of Actuarial Review; and

Past Service Liability.}

{(B)

Signature

Name

ASHK/PS2/CERT.3 3/9/94

QUALIFIED ACTUARIAL CERTIFICATE

Prepared pursuant to paragraph 2(b) of Part 3 of Schedule 1 in the Occupational Retirement Schemes Ordinance

Date Date Rep	e of Actuarial Certificate : e of Actuarial Review : e of Ist Actuarial Review (if any) : resentative Employer e evant Employer {s} :
I he	reby certify that -
(i)	An actuarial review has been conducted as regards the scheme as of the Date of Actuarial Review.
(ii)	In the course of the review I have had regard to the financial condition of the scheme.
(iii)	The review included a valuation of the scheme's liabilities (including contingent and prospective liabilities). The basis of the valuation, assumptions used, results and commentary on those results are detailed in a report dated [].
(iv)	{As at the Date of Actuarial Review the scheme's assets were not sufficient to meet the scheme's Aggregate Vested Liability, and the amount of the shortfall as at such date ("the Current Shortfall") was [\$\\$].}
	{Although as at the Date of Actuarial Review the scheme's assets were sufficient to meet the scheme's Aggregate Vested Liability, I do not expect that the scheme's assets would continue to be sufficient to meet the scheme's Aggregate Vested Liability throughout the period of 3 years from the Date of Actuarial Review.}
(v)	Following the review I have made recommendations on the funding of the scheme for [a specified period] as follows-
	(A) regular contributions by {For the Periods}
	- Members : {\$/% of salaries} [to] - Relevant Employer{s} : {\$/% of salaries} [to]
	$\{(B) \text{a special contribution by the Relevant Employer} \{s\} \text{ of } \{\$/\% \text{ of salaries}\} \text{ on or before [a specified date].} \}$
(vi)	Following the review I have received a copy of a written undertaking from {all of} the Relevant Employer{s} of the scheme to the administrator of the scheme, confirming that [they / it] will contribute to the scheme in accordance with the above recommendations.
(vii)	Provided the scheme is funded in accordance with the above recommendations, and that all assumptions made for the Actuarial Review are borne out in practice, I expect that:

(C) on the expiration of [a specified period]. the scheme's assets would be sufficient to meet the scheme's Aggregate Past Service Liability.

the amount of the shortfall between the scheme's assets and the scheme's Aggregate Vested Liability as

at the expiry of 12 months from the Date of Actuarial Review ("the Expected Shortfall") would be

within [a specified period], the scheme's assets would be sufficient to meet the scheme's Aggregate

Signature

(A)

(B)

Vested Liability; and

Name of Scheme

Name : Qualification : Address : Tel : Fax :

ASHK/PS2/CERT.4 3/9/94

FULL ACTUARIAL CERTIFICATE

Prepared pursuant to Part 1 of Schedule 2 in the Occupational Retirement Schemes Ordinance

Date of Date of	f Scher Actuar Actuar last Ac entative	ne ial Certificate ial Review tuarial Review (if any) Employer	: : : : :			
I hereby	certify	that -				
(1)	An ac	tuarial review has been conducted as a	regards the schen	ne as of the Date of Actuari	al Review.	
(2)	In the	course of the review I have had regar	d to the financial	condition of the scheme.		
(3)	The review included a valuation of the scheme's liabilities (including contingent and prospective liabilities). The basis of the valuation, assumptions used, results and commentary on those results are detailed in a report dated [].					
(4)	As at the Date of Actuarial Review the scheme's assets were sufficient to meet the scheme's Aggregate Vested Liability.					
(5)	Follow follow	ving the review I have made recomn	nendations on the	e funding of the scheme for	or [a specified]	period] as
	(A)	regular contributions by		{monthly}	{For the Peri	ods}
	(A)	MembersRelevant Employer{s}	: :	{\$/% of salaries} {\$/% of salaries}	[to [to]
	{(B)	a special contribution by the Releva	nt Employer{s} o	of {\$/% of salaries} on or b	efore [a specifi	ed date].}
(6)	of the	Following the review I have received a copy of a written undertaking from {all of} the Relevant Employer{s} of the scheme to the administrator of the scheme, confirming that [they / it] will contribute to the scheme in accordance with the above recommendations.				
(7)	(A)	Provided the scheme is funded in acmade for the Actuarial Review are be sufficient to meet the scheme's A Date of Actuarial Review; and	borne out in prac	tice, I expect the scheme's	assets would co	ontinue to
	{(B)	As at the Date of Actuarial Review Past Service Liability.}	the scheme's ass	sets were sufficient to meet	the scheme's A	Aggregate
	{(B)	Provided the scheme is funded in acmade for the Actuarial Review are period], the scheme's assets would be	borne out in prac	ctice, I expect that on the e	expiration of [a	specified
Signatur	re					
Name Address	: s :		-	Qualification : Tel : Fax :		

ASHK/PS2/CERT.5 3/9/94

QUALIFIED ACTUARIAL CERTIFICATE

Prepared pursuant to Part 2 of Schedule 2 in the Occupational Retirement Schemes Ordinance

Registration Number	:
Name of Scheme	:
Date of Actuarial Certificate	:
Date of Actuarial Review	:
Date of last Actuarial Review (if any)	:
Representative Employer	:
Relevant Employer{s}	:

I hereby certify that -

- An actuarial review has been conducted as regards the scheme as of the Date of Actuarial Review. (1)
- In the course of the review I have had regard to the financial condition of the scheme. (2)
- The review included a valuation of the scheme's liabilities (including contingent and prospective liabilities). The (3) basis of the valuation, assumptions used, results and commentary on those results are detailed in a report dated 1.
- (4) {As at the Date of Actuarial Review the scheme's assets were not sufficient to meet the scheme's Aggregate Vested Liability, and the amount of the shortfall as at such date ("the Current Shortfall") was [\$

{Although as at the Date of Actuarial Review the scheme's assets were sufficient to meet the scheme's Aggregate Vested Liability, I do not expect that the scheme's assets would continue to be sufficient to meet the scheme's Aggregate Vested Liability throughout the period of 3 years from the Date of Actuarial Review.}

Following the review I have made recommendations on the funding of the scheme for [a specified period] as (5) follows-

			{monthly}	{For the Periods}
(A)	regular contributions by			
	- Members	:	{\$/% of salaries}	[to]
	 Relevant Employer(s) 	:	{\$/% of salaries}	[to]

- {(B) a special contribution by the Relevant Employer{s} of {\$/% of salaries} on or before [a specified date].}
- Following the review I have received a copy of a written undertaking by {all of} the Relevant Employer{s} of (6) the scheme to the administrator of the scheme, confirming that [they / it] will contribute to the scheme in accordance with the above recommendations.
- Provided the scheme is funded in accordance with the above recommendations, and that all assumptions made (7) for the Actuarial Review are borne out in practice, I expect that:
 - the amount of the shortfall between the scheme's assets and the scheme's Aggregate Vested Liability at (A) the expiry of 12 months from the Date of Actuarial Review ("the Expected Shortfall") would be [\$
 - (B) within [3 years from the Date of Actuarial Review, or earlier where appropriate], the scheme's assets would be sufficient to meet the scheme's Aggregate Vested Liability; and
 - (C) on the expiration of [a specified period]. the scheme's assets would be sufficient to meet the scheme's Aggregate Past Service Liability. The weighted average of the periods of members' future membership before all members' accrued benefits become fully vested is [a specified period].

(.../2)

ASHK/PS2/CERT.6 3/9/94

- (8) [The immediately preceding actuarial certificate of the scheme supplied in accordance with the Ordinance was a qualified certificate. There commended contributions set out in this certificate for the remainder of the period specified in paragraph (5) of that preceding certificate are{not} lower than the recommended contributions set out in that preceding certificate for the same period {, but I expect that even with such lower amount of contributions the scheme's assets would be sufficient to meet the scheme's Aggregate Vested Liability at the expiry of 12 months from the Date of Actuarial Review, if all assumptions made for the Actuarial Review are borne out in practice.]
- (9) [The immediately preceding actuarial certificate of the scheme supplied in accordance with the Ordinance was a qualified certificate and owing to reasons other than the Relevant Employer{s} failing to contribute to the scheme in accordance with recommended contributions set out in that preceding certificate, the Current Shortfall as stated in this certificate has exceeds the Expected Shortfall as stated in that preceding certificate.
 - (a) in my opinion, the major reasons giving rise to such excess were [].
 - (b) the amount of contributions recommended to be made in this certificate includes additional contributions which I consider are sufficient to cover such excess.]

Signature

Name : Qualification : Address : Tel : Fax :

ASHK/PS2/CERT.6(cont) Dec 23, 2015

5. ATTACHMENT TO ACTUARIAL CERTIFICATE

5.1.	Majo	Major assumptions to which the valuation results are most sensitive:			
	(a)	the rate of prospective future salary increases: ()			
	(b)	the valuation rate of interest : ()			
	(c)	others: ()			
5.2.	Summary of financial status of the scheme as at the Date of Actuarial Review:				
	(a)	market value [if not possible to obtain market value, use net realizable value] of the assets for the purpose of determining whether it is sufficient to meet the scheme's Aggregate Vested			
	(b)	Liability: (
	(b)	value of the Aggregate Vested Liability: ()			
	(c)	value of the Aggregate Past Service Liability: ()			
5.3.		ement confirming that the Actuary is not aware of any post-valuation events that will materially ct the financial status of the scheme, or otherwise.]			
5.4.		ne case where the Aggregate Past Service Liability is less than the Aggregate Vested Liability, the rence between those liabilities and the reasons therefor should be provided.]			
5.5.	[In tl	ne case where the value of the assets of the scheme is not sufficient to meet the scheme's			
	Aggı	regate Past Service Liability, the weighted average of the periods of the members' future			
	membership (the periods being calculated up to the periods their benefits become fully				
	vested), in respect of all existing members of the scheme, where the weighting should be				
	based on the values of the past service liability of the members or on an appropriate				
		oximation should be provided.]			
5.6.	[The	period in which a new member's benefits will become fully vested should be provided.]			

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APPENDIX: GLOSSARY OF DEFINED TERMS

(a) Actuarial Certificate

According to the section 31(1) of the Ordinance, the designated person shall supply an Actuarial Certificate issued by an actuary to the Registrar within 6 months following the Date of Actuarial Review of a scheme. Either a full certificate or a qualified certificate may be issued, depending on the scheme's financial health at Date of Actuarial Review.

The Actuarial Certificate contains information regarding the financial health of the scheme at the Date of Actuarial Review, and the projected financial health at the statutory due date of the next Date of Actuarial Review, based on the actuary's funding recommendation

(b) Actuarial Report

It is the report prepared by an actuary following an Actuarial Review. It contains information regarding the scheme's funded status and it forms a basis for the preparation of the Actuarial Certificate.

(c) Actuarial Review

An actuarial valuation conducted by an actuary with the purpose of assessing the ability of a defined benefit scheme to meet its liabilities, based on the agreed Funding Method and actuarial assumptions.

(d) Funding Objective

The Funding Objectives adopted by a scheme will have in influence on the pace at which the scheme is funded, and it typically associated with a specific funding target. Funding requirement as specified in the section 24 of the Ordinance is taken into account while setting Funding Objectives.

(e) Funding Method

The method employed by the actuary in valuing a scheme's liabilities. The method selected shall be consistent with the scheme's Funding Objectives. The funding methods commonly used include (but not are not limited to) the Projected Unit Method, the Current Unit Method, the Attained Age Method and the Entry Age Method.

(f) Ordinance

It refers to the Occupational Retirement Schemes Ordinance (Cap. 426, Laws of Hong Kong).

(g) Standard

It refers to the Professional Standard 2 of The Actuarial Society of Hong Kong which is currently in force.

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